



ORGAN SOUND EXPANSION MX-200

Owner's Manual

Thank you, and congratulations on your choice of the Rodgers MX-200.

Connecting the MX-200 to your organ immediately multiplies the number of tones available for your use.

First, carefully read this Owner's Manual to completely familiarize yourself with the MX-200.

As you also will need to operate the controls on your organ, be sure to have the organ owner's manual on hand as well.

Before using this unit, carefully read the sections entitled: "USING THE UNIT SAFELY" and "IMPORTANT NOTES" (p. 2; p. 4). These sections provide important information concerning the proper operation of the unit. Additionally, in order to feel assured that you have gained a good grasp of every feature provided by your new unit, Owner's manual should be read in its entirety. The manual should be saved and kept on hand as a convenient reference.

Those already using the MX-200 with their instruments should read this manual from the beginning, paying particular attention to the sections "Basic Operation" (p. 9) and "Advanced Ways to use" (p. 13).

For instructions on connecting the MX-200 to your organ, please read from "Setting up your MX-200" on p. 17 and "Adjusting your Organ" on p. 22.

Copyright © 2003 ROLAND CORPORATION

All rights reserved. No part of this publication may be reproduced in any form without the written permission of ROLAND CORPORATION.

IMPORTANT: THE WIRES IN THIS MAINS LEAD ARE COLOURED IN ACCORDANCE WITH THE FOLLOWING CODE.

BLUE: NEUTRAL
BROWN: LIVE

As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

The wire which is coloured BLUE must be connected to the terminal which is marked with the letter N or coloured BLACK.

The wire which is coloured BROWN must be connected to the terminal which is marked with the letter L or coloured RED.

Under no circumstances must either of the above wires be connected to the earth terminal of a three pin plug.

USING THE UNIT SAFELY

INSTRUCTIONS FOR THE PREVENTION OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS

About ⚠ WARNING and ⚠ CAUTION Notices






⚠ WARNING	Used for instructions intended to alert the user to the risk of death or severe injury should the unit be used improperly.
⚠ CAUTION	Used for instructions intended to alert the user to the risk of injury or material damage should the unit be used improperly. * Material damage refers to damage or other adverse effects caused with respect to the home and all its furnishings, as well to domestic animals or pets.

About the Symbols





⚠	The ⚠ symbol alerts the user to important instructions or warnings. The specific meaning of the symbol is determined by the design contained within the triangle. In the case of the symbol at left, it is used for general cautions, warnings, or alerts to danger.
⊘	The ⊘ symbol alerts the user to items that must never be carried out (are forbidden). The specific thing that must not be done is indicated by the design contained within the circle. In the case of the symbol at left, it means that the unit must never be disassembled.
⚡	The ⚡ symbol alerts the user to things that must be carried out. The specific thing that must be done is indicated by the design contained within the circle. In the case of the symbol at left, it means that the power-cord plug must be unplugged from the outlet.

ALWAYS OBSERVE THE FOLLOWING









⚠ WARNING

- Before using this unit, make sure to read the instructions below, and the Owner's Manual. 
- Do not open or perform any internal modifications on the unit or its AC adaptor. (The only exception would be where this manual provides specific instructions which should be followed in order to put in place user-installable options; see p. 15.) 
- Do not attempt to repair the unit, or replace parts within it (except when this manual provides specific instructions directing you to do so). Refer all servicing to your retailer, the nearest Roland Service Center, or an authorized Roland distributor, as listed on the "Information" page. 
- Never use or store the unit in places that are:
 - Subject to temperature extremes (e.g., direct sunlight in an enclosed vehicle, near a heating duct, on top of heat-generating equipment); or are 
 - Damp (e.g., baths, washrooms, on wet floors); or are 
 - Humid; or are
 - Exposed to rain; or are
 - Dusty; or are
 - Subject to high levels of vibration.












⚠ WARNING

- Make sure you always have the unit placed so it is level and sure to remain stable. Never place it on stands that could wobble, or on inclined surfaces. 
- Be sure to use only the AC adaptor supplied with the unit. Also, make sure the line voltage at the installation matches the input voltage specified on the AC adaptor's body. Other AC adaptors may use a different polarity, or be designed for a different voltage, so their use could result in damage, malfunction, or electric shock. 
- Do not excessively twist or bend the power cord, nor place heavy objects on it. Doing so can damage the cord, producing severed elements and short circuits. Damaged cords are fire and shock hazards! 
- This unit, either alone or in combination with an amplifier and headphones or speakers, may be capable of producing sound levels that could cause permanent hearing loss. Do not operate for a long period of time at a high volume level, or at a level that is uncomfortable. If you experience any hearing loss or ringing in the ears, you should immediately stop using the unit, and consult an audiologist. 

WARNING

- Do not allow any objects (e.g., flammable material, coins, pins); or liquids of any kind (water, soft drinks, etc.) to penetrate the unit. 

- Immediately turn the power off, remove the AC adaptor from the outlet, and request servicing by your retailer, the nearest Roland Service Center, or an authorized Roland distributor, as listed on the "Information" page when:
 - The AC adaptor or the power-supply cord has been damaged; or
 - If smoke or unusual odor occurs
 - Objects have fallen into, or liquid has been spilled onto the unit; or
 - The unit has been exposed to rain (or otherwise has become wet); or
 - The unit does not appear to operate normally or exhibits a marked change in performance.
- In households with small children, an adult should provide supervision until the child is capable of following all the rules essential for the safe operation of the unit. 
- Protect the unit from strong impact. (Do not drop it!) 
- Do not force the unit's power-supply cord to share an outlet with an unreasonable number of other devices. Be especially careful when using extension cords—the total power used by all devices you have connected to the extension cord's outlet must never exceed the power rating (watts/amperes) for the extension cord. Excessive loads can cause the insulation on the cord to heat up and eventually melt through. 
- Before using the unit in a foreign country, consult with your retailer, the nearest Roland Service Center, or an authorized Roland distributor, as listed on the "Information" page. 
- Always turn the unit off and unplug the AC adaptor before attempting installation of the circuit board (SRX series; p. 9). 

CAUTION

- The unit and the AC adaptor should be located so their location or position does not interfere with their proper ventilation. 
- Always grasp only the output plug or the body of the AC adaptor when plugging into, or unplugging from, this unit or an outlet. 
- At regular intervals, you should unplug the AC adaptor and clean it by using a dry cloth to wipe all dust and other accumulations away from its prongs. Also, disconnect the power plug from the power outlet whenever the unit is to remain unused for an extended period of time. Any accumulation of dust between the power plug and the power outlet can result in poor insulation and lead to fire. 
- Try to prevent cords and cables from becoming entangled. Also, all cords and cables should be placed so they are out of the reach of children. 
- Never climb on top of, nor place heavy objects on the unit. 
- Never handle the AC adaptor body, or its output plugs, with wet hands when plugging into, or unplugging from, an outlet or this unit. 
- Before moving the unit, disconnect the AC adaptor and all cords coming from external devices. 
- Before cleaning the unit, turn off the power and unplug the AC adaptor from the outlet (p. 9). 
- Whenever you suspect the possibility of lightning in your area, disconnect the AC adaptor from the outlet. 
- Install only the specified circuit board (SRX series). Remove only the specified screws (p. 15). 
- Should you remove screws or rubber feet, make sure to put them in a safe place out of children's reach, so there is no chance of them being swallowed accidentally. 

IMPORTANT NOTES

In addition to the items listed under “USING THE UNIT SAFELY” on page 2, please read and observe the following:

Power Supply

- Do not use this unit on the same power circuit with any device that will generate line noise (such as an electric motor or variable lighting system).
- The AC adaptor will begin to generate heat after long hours of consecutive use. This is normal, and is not a cause for concern.
- Before connecting this unit to other devices, turn off the power to all units. This will help prevent malfunctions and/or damage to speakers or other devices.

Placement

- Using the unit near power amplifiers (or other equipment containing large power transformers) may induce hum. To alleviate the problem, change the orientation of this unit; or move it farther away from the source of interference.
- This device may interfere with radio and television reception. Do not use this device in the vicinity of such receivers.
- Noise may be produced if wireless communications devices, such as cell phones, are operated in the vicinity of this unit. Such noise could occur when receiving or initiating a call, or while conversing. Should you experience such problems, you should relocate such wireless devices so they are at a greater distance from this unit, or switch them off.
- Do not expose the unit to direct sunlight, place it near devices that radiate heat, leave it inside an enclosed vehicle, or otherwise subject it to temperature extremes. Also, do not allow lighting devices that normally are used while their light source is very close to the unit (such as a piano light), or powerful spotlights to shine upon the same area of the unit for extended periods of time. Excessive heat can deform or discolor the unit.
- When moved from one location to another where the temperature and/or humidity is very different, water droplets (condensation) may form inside the unit. Damage or malfunction may result if you attempt to use the unit in this condition. Therefore, before using the unit, you must allow it to stand for several hours, until the condensation has completely evaporated.
- Do not allow rubber, vinyl, or similar materials to remain on the unit for long periods of time. Such objects can discolor or otherwise harmfully affect the finish.
- Do not paste stickers, decals, or the like to this instrument. Peeling such matter off the instrument may damage the exterior finish.

Maintenance

- To clean the unit, use a dry, soft cloth; or one that is slightly dampened. Try to wipe the entire surface using an equal amount of strength, moving the cloth along with the grain of the wood. Rubbing too hard in the same area can damage the finish.
- Never use benzine, thinners, alcohol or solvents of any kind, to avoid the possibility of discoloration and/or deformation.

Repairs and Data

- Please be aware that all data contained in the unit's memory may be lost when the unit is sent for repairs. Important data should always be backed up in another MIDI device (e.g., a sequencer), or written down on paper (when possible). During repairs, due care is taken to avoid the loss of data. However, in certain cases (such as when circuitry related to memory itself is out of order), we regret that it may not be possible to restore the data, and Roland assumes no liability concerning such loss of data.

Additional Precautions

- Please be aware that the contents of memory can be irretrievably lost as a result of a malfunction, or the improper operation of the unit. To protect yourself against the risk of losing important data, we recommend that you periodically save a backup copy of important data you have stored in the unit's memory in another MIDI device (e.g., a sequencer).
- Unfortunately, it may be impossible to restore the contents of data that was stored in the unit's memory once it has been lost. Roland Corporation assumes no liability concerning such loss of data.
- Use a reasonable amount of care when using the unit's buttons, sliders, or other controls; and when using its jacks and connectors. Rough handling can lead to malfunctions.
- Never strike or apply strong pressure to the display.
- When connecting / disconnecting all cables, grasp the connector itself—never pull on the cable. This way you will avoid causing shorts, or damage to the cable's internal elements.
- To avoid disturbing your neighbors, try to keep the unit's volume at reasonable levels. You may prefer to use headphones, so you do not need to be concerned about those around you (especially when it is late at night).
- When you need to transport the unit, package it in the box (including padding) that it came in, if possible. Otherwise, you will need to use equivalent packaging materials.

Contents

USING THE UNIT SAFELY	2
IMPORTANT NOTES	4
Main Features	7
Panel Descriptions.....	8
Front Panel.....	8
Rear Panel.....	8
Basic Operation	9
Turning the Power ON/OFF	9
Turning On the Power.....	9
Turning Off the Power	9
Listening to the Demo Songs	9
Changing the Mode.....	9
Playing the MX-200's Sounds from the Organ.....	10
Try Playing Sounds from the Organ	10
Switching Tones with the MX-200	11
Adjusting the Master tuning on the MX-200.....	11
Selecting Temperament on the MX-200	12
Switching the Reverb Type	12
Advanced Ways to use	13
Switching Tones with MIDI.....	13
Tone Map	13
Selecting Tones from the Organ	13
Switching Tones from the Organ Keyboard.....	14
Part Mute	14
Rhythm Sets.....	14
Tremulant Effect	14
Using SRX Wave Expansion Boards.....	15
Cautions When Installing an Wave Expansion Board.....	15
How to Install a Wave Expansion Board.....	15
Check to make sure the board has been installed properly.....	16
Using a Sequencer	16
Setting up your MX-200	17
Getting Ready to Play	17
Attaching the Rubber feet.....	17
Attaching to the Lower Part of the Organ.....	17
Connecting to the Organ	18
When Connecting Only the MX-200	18
When Using the MX-200 Connected to an MR-200.....	19
When Using the MX-200 Connected to a PR-300S.....	20
Tuning the Power ON/OFF.....	21
Turning On the MX-200	21
Turning Off the MX-200.....	21
Restoring the Factory Settings (Factory Reset).....	21
Listening to the Demo Songs	21

Adjusting your Organ	22
Making Original Settings	22
Selecting How the MX-200 is Used.....	22
Adjusting Equalizer	22
Settings for Each Individual Part	23
EQ ON/OFF.....	23
Part Type	23
Part Mute.....	23
Part Level.....	23
Part Pan.....	23
Part Coarse Tune	23
Part Fine Tune.....	23
Part Reverb Send Level	23
Part Chorus Send Level.....	23
Part Output Level (DRY SEND).....	23
Storing the Settings Within the MX-200 (Write Operation)	24
Recording the Settings to an External Sequencer	24
Recording the Settings.....	24
Calling Up the Settings from the Sequencer	24
Other Settings.....	25
Making USB and MIDI Related Settings	25
Checking the Program Version.....	25
Using the MX-200 as a General MIDI 2/GS Sound Module (GM2 Mode)	26
Entering GM2 Mode	26
Initializing the Sound Generator for General MIDI System Basic Settings	26
Preventing the MX-200 From Switching to GM2 Mode	26
Bank Select and Program Change Correspondence Chart	27
Tone List.....	28
Organ/Orchestral Tones	28
GM (General MIDI) Tones	30
GS Tones	31
Other Tones	32
Rhythm Set List.....	34
Alphabetical Tone List.....	40
Organ/Orchestral Tones	40
GM (General MIDI) Tones	41
Quick Key Map	42
Parameter List	44
Preset (P01, P02) Settings	44
Demo Song List.....	45
Error Messages	46
MIDI Implementation Chart	47
Specifications.....	48
Index.....	49
Control Guide	52

Main Features

A Wealth of Additional Organ Tones Built-In

The MX-200 features for your use a number of specialized pipe tones included only on some of the very finest organs.

Includes Rich Orchestral Tones

The MX-200 features exclusive wave data with realistic orchestral tones. Now you can increase your organ expression with beautiful strings and other orchestral sounds.

Single Instrument Connects to All MIDI Couplers

The MX-200 is capable of handling all MIDI coupler outputs from any Rodgers organ.

Accepts SRX Series Wave Expansion Board

The MX-200 can be expanded with the installation of one Roland SRX Series Wave Expansion Board. This lets you add and use an even greater variety of Roland tones with your organ.

Compatible with GM Level 2 System

The MX-200 is compatible with the GM Level 2 tone map, meaning you can play back performance data from the original PR-300S without problems.

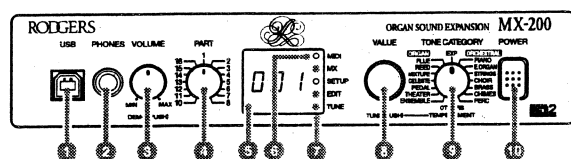
Can Be Used in Combination with the MR-200 Sequencer

The MR-200 is a sequencer for use with organs. The MX-200 was designed so that it could be operated in tandem with the MR-200, allowing you to use your organ with the MX-200 and the MR-200 connected, all without the need to figure out any difficult settings.

In addition, the MR-200 features a MX-200 controller function, thus allowing complete control of operations from the MR-200, without needing to directly touch the MX-200.

Panel Descriptions

Front Panel



1. USB Connector

This connector is used for servicing of the MX-200. It is not used in ordinary operation.

2. PHONES Jack

This is the jack for connecting headphones (sold separately).

* Use headphones with an impedance of 8 to 150 Ohms.



The sounds output from this jack are only those sounds produced by the MX-200. The sounds produced in combination with the organ are output from the organ's headphone jack (may not be applicable with certain models).

3. VOLUME Knob

This adjusts the volume level for the OUTPUT jack and the PHONES jack.

Pressing the [VOLUME] knob switches the MX-200 to Demo mode.

Additionally, holding down the [VOLUME] knob and pressing the [VALUE] knob (8) switches the MX-200 to Edit mode.

Also, press this knob to exit Edit mode.

4. PART Knob

This switches the part for which a tone is selected. In Tune mode, this switches the reverb type.

5. Display

Displays a variety of information about the operation being performed.

6. MIDI Indicator

Lights up when MIDI messages are received.

7. MODE Indicator

This indicates the currently selected mode.

8. Value Knob

Used to change the value that is set for a parameter.

You can also press this knob to alternate between MX mode and Tune mode. In Tune mode, this adjusts the overall global tuning.

Pressing the [VALUE] knob while holding down the [VOLUME] knob (3) switches the MX-200 to Edit mode.

9. TONE CATEGORY Knob

This selects the tone category.

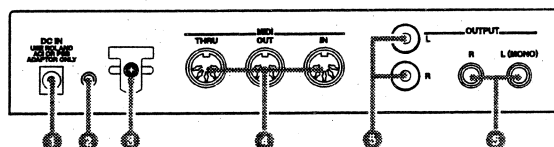
In Edit mode, this knob is used to select the parameter to be set.

In Tune mode, it is used for switching the temperament.

10. Power Switch

Pressed to switch the power on and off.

Rear Panel



1. AC Adaptor Jack

Accepts connection of the supplied AC adaptor.

2. Ground Terminal

Depending on the circumstances of a particular setup, you may experience a discomforting sensation, or perceive that the surface feels gritty to the touch when you touch this device, microphones connected to it, or the metal portions of other objects, such as guitars. This is due to an infinitesimal electrical charge, which is absolutely harmless. However, if you are concerned about this, connect the ground terminal (see figure) with an external ground. When the unit is grounded, a slight hum may occur, depending on the particulars of your installation. If you are unsure of the connection method, contact the nearest Roland Service Center, or an authorized Roland distributor, as listed on the "Information" page.

Unsuitable places for connection

- Water pipes (may result in shock or electrocution)
- Gas pipes (may result in fire or explosion)
- Telephone-line ground or lightning rod (may be dangerous in the event of lightning)

3. Chord Hook

To prevent the inadvertent disruption of power to your unit (should the plug be pulled out accidentally), and to avoid applying undue stress to the AC adaptor jack, anchor the power cord using the cord hook.



4. MIDI Connectors (In, Out, Thru)

These connectors are used to connect the MX-200 with other devices for sending and receiving MIDI messages.

MIDI IN: This receives information from other MIDI instruments.

MIDI OUT: This sends information from the MX-200.

MIDI THRU: This sends out, unaltered, information received from MIDI IN.

5. OUTPUT Jack (L (MONO), R)

These are for stereo (L/R) output of audio signals to an amp or a mixer. For monaural output, connect to the left (L) jack.

Two types of jacks are provided for the OUTPUT jacks, 1/4" phone jacks (L (MONO), R) and RCA phono jacks (L, R).

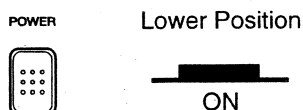
Basic Operation

Turning the Power ON/OFF

■ Turning On the Power

- * Once the connections have been completed (pp. 18–20), turn on power to your various devices in the order specified. By turning on devices in the wrong order, you risk causing malfunction and/or damage to speakers and other devices.

1. Press the MX-200's [POWER] button to turn on the power to the MX-200.



2. Turn on the power to connected external devices.

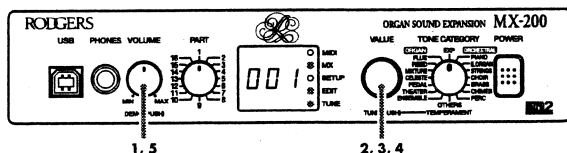
- * This unit is equipped with a protection circuit. A brief interval (a few seconds) after power up is required before the unit will operate normally.

■ Turning Off the Power

1. Turn off the power to connected external devices.
2. Press the MX-200's [POWER] button to turn off the power to the MX-200.

- Some Rodgers organs provide a power source that can be used for supplying power to other connected devices. When drawing power from such organs, the power to the MX-200 turns on or off along with the organ's power. There is no need to press the MX-200's [POWER] button. The MR-200 can also be powered in the same way.

Listening to the Demo Songs



1. Press the [VOLUME] knob to enter Demo mode.
2. Turn the [VALUE] knob to select the song you want to hear.
3. Press the [VALUE] knob to start the performance.
4. Press the [VALUE] knob once again to stop the performance.
5. Press the [VOLUME] knob to exit Demo mode.

For details on the demo songs, refer to p. 45.

- * No data for the music that is played will be output from MIDI OUT.
- * MIDI messages received from external instruments are ignored while the Demo Play screen is displayed.
- * All rights reserved. Unauthorized use of this material for purposes other than private, personal enjoyment is a violation of applicable laws.

Changing the Mode

You can use the MX-200's panel controls to switch among six modes. The modes have the following functions.

MX Mode

Used for selecting the tones to be used in each part.

Tune Mode

Used for setting the tuning and temperament and the reverb type.

- * When the MX-200 is switched to Tune mode, the current tuning setting is displayed, followed by the reverb type, the temperament, then the tuning again.

Edit Mode

Used for adjusting the parameters in each part.

Setup Mode

Used for making the MX-200's initial settings and other system-related settings.

GM2 Mode

Used when running the MX-200 as a GM 2/GS/General MIDI sound module.


Demo Mode


Used for listening to the demo songs.

You can toggle between MX mode and Tune mode by pressing the [VALUE] knob.

Pressing the [VALUE] knob and [VOLUME] knob simultaneously switches the MX-200 to Edit mode or Setup mode. Likewise, press the [VOLUME] knob to exit Edit mode or Setup mode.

The MX-200 is normally used in MX mode or Tune mode.

General MIDI is a set of recommendations that standardizes the MIDI capabilities of sound modules. Sound modules and music files that adhere to the General MIDI standard bear the General MIDI logo (). Music files bearing the General MIDI logo can be played back using any General MIDI sound module with essentially the same musical results.

The upwardly compatible General MIDI 2 () recommendations pick up where General MIDI leaves off, offering enhanced expressive capabilities and even greater compatibility.

Issues not covered by the original General MIDI standard - such as how sounds are to be edited, and how effects should be handled - are precisely defined in General MIDI 2. Moreover, the available sounds have been expanded. General MIDI 2 compliant sound modules are capable of reliably playing back music files that carry either the General MIDI or General MIDI 2 logo. In some cases, the conventional form of General MIDI, which does not include the new enhancements, is referred to as "General MIDI 1" as a way of distinguishing it from General MIDI 2.

Basic Operation

Playing the MX-200's Sounds from the Organ

Now try out some of the MX-200's various tones using the MIDI couplers.

The following describes an example using the organ's Great keyboard.

■ Try Playing Sounds from the Organ

Make sure that the equipment is properly connected (p. 18) and that the necessary settings are made (p. 22).

1. Turn on one of the organ's MIDI couplers (example: GT A).

When you play the keyboard to which the selected MIDI

coupler (example: GT A) is associated, sounds are then played from the MX-200.

2. Turn the organ's MIDI coupler off.

When the coupler is off, the MX-200's sounds are not used for the organ performance.

Organs are equipped with separate MIDI couplers for each part. For example, the drawknobs, tablets, and pistons labelled as "ORCH/MIDI GREAT," "MIDI SWELL" and so on are MIDI couplers. In addition, some organ models may feature two MIDI couplers for one part, for example MIDI GT A and MIDI GT B. In such cases, the MX-200 is capable of playing the two tones A and B from a single keyboard.

What Are MIDI Couplers?

The MIDI couplers featured on Rodgers organs are couplers that allow the use of external sound modules. These couplers are switches whose function is to "couple" or connect the organ with external sound modules.

Each MIDI coupler has a different MIDI channel pre-assigned to it. When a MIDI coupler is switched on, performance data is output to that coupler's MIDI channel. Connecting an external sound generator or module to this MIDI channel further allows you to incorporate tones other than those of the organ in your organ performances.

Each keyboard on Rodgers organs is equipped with one or two of these MIDI couplers, thus totaling three to eight MIDI couplers for the entire instrument.

The following table shows the correspondence between MIDI couplers and MIDI channels for the main Rodgers organ models (current as of 2003).

Model									MIDI Channel (Part)
i557	i577	T787	T797	T807	T837	T927	T957	T967	
GT	GT	GT A	GT A	GT A	GT A	GT A	GT A	GT A	1
SW	SW	SW A	SW A	SW A	SW A	SW A	SW A	SW A	2
PD	PD	PD A	PD A	PD A	PD A	PD A	PD A	PD A	3
-	-	-	-	-	-	CH A	CH A	CH A	4
-	-	GT B	GT B	GT B	GT B	GT B	GT B	GT B	5
-	-	SW B	SW B	SW B	SW B	SW B	SW B	SW B	6
-	-	PD B	PD B	PD B	PD B	PD B	PD B	PD B	7
-	-	-	-	-	-	CH B	CH B	CH B	8
-	-	-	-	-	-	-	-	-	9
-	-	-	-	-	-	-	-	-	10
-	-	-	-	-	-	-	-	-	11
(GT)	(GT)	(GT)	(GT)	(GT)	(GT)	(GT)	(GT)	(GT)	12
(SW)	(SW)	(SW)	(SW)	(SW)	(SW)	(SW)	(SW)	(SW)	13
(PD)	(PD)	(PD)	(PD)	(PD)	(PD)	(PD)	(PD)	(PD)	14
-	-	-	-	-	-	(CH)	(CH)	(CH)	15
-	-	-	-	-	-	-	(SO)	(SO)	16

GT: Great SW: Swell PD: Pedal CH: Choir SO: Solo

Shown in parentheses are the MIDI channels over which the keyboard data is output. These are used mainly in recording performances with sequencers and other such devices.

Example:

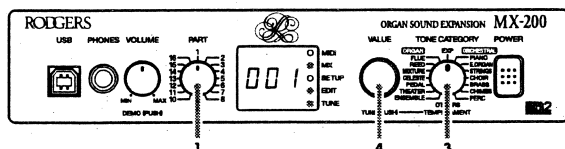
If you are using a T797 organ, the MX-200's Part 1 is played when the MIDI GT A piston is on.

With Rodgers organs, MIDI Channels 12-16 are used to output the performance data from the organ itself.

To prevent the MX-200 from playing the sounds on these channels, mute the corresponding parts (12-16) on the MX-200 (p. 23). Note that if the corresponding parts are not muted, the sounds may still be played, even if you press the organ's Cancel (0) piston.

Switching Tones with the MX-200

Now try using the MX-200 to switch the MIDI coupler tones.



1. Set the MX-200's [PART] knob to "1."
2. Use the organ controls to switch on the MIDI GT A (or GT) piston.
3. Select the desired tone category with the MX-200's [TONE CATEGORY] knob.
4. Turn the MX-200's [VALUE] knob to select a sound variation.

You can now perform with the selected tone when you play the Great keyboard.

In the same manner, you can set other tones for the other keyboards using the corresponding part numbers, for example assigning tones to the Swell keyboard with Part 2, the Pedalboard with Part 3, assigning part numbers to the Choir keyboard and coupler B as well.

* You can save the settings that determine which tone is used with each of the organ's MIDI couplers. When tones are selected by operating the MX-200, the saved tone selections are cancelled as the result of such selections.

* For instructions on how to save tones to the organ's MIDI couplers, refer to your organ owner's manual.

Adjusting the Master tuning on the MX-200

When adjusting the organ's tuning, the MX-200's tuning must also be changed to the same value. Matching the tuning removes muddiness in the sound, allowing you to get a clearer, more beautiful sound.

1. Press the [VALUE] knob to make the TUNE indicator in the display lights up.

2. Turn the [VALUE] knob to adjust the tuning.

The frequency of A4 is used as the basic reference pitch. When indicating this frequency, the display shows the lowest two digits and the first digit after the decimal point.

For example, when set to 440 Hz, "40.0" is indicated in the display.

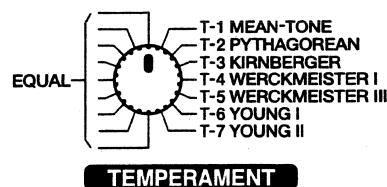
Selecting Temperament on the MX-200

The “temperament” specifies the intervals between the keys. Adjusting the pitches of the instrument based on this is referred to as “tuning.”

With the MX-200, you can select from eight different temperaments: Equal, Mean-Tone, Pythagorean, Kirnberger, Werckmeister I, Werckmeister III, Young I, and Young II.

1. Press the [VALUE] knob to make the TUNE indicator in the display lights up.
2. Turn the [TONE CATEGORY] knob to adjust the temperament.

The correspondence between the position of the TONE CATEGORY knob and the temperament is as shown below.



Equal

Also known as 12-Tone Equal Temperament. Now the most commonly used temperament, it makes performances sound the same in any key. Most musical works after the Roman period were composed under the assumption that they would be performed in Equal temperament, and this temperament is used today for almost all keyboard instruments.

Mean-Tone

Mean-Tone is an unequal temperament that was created by partially modifying the Just temperament to allow modulation. In modulations up to three sharps or two flats, chords sound very similar to chords in Just temperaments.

Pythagorean

This was developed by the Greek philosopher Pythagoras. This scale eliminates the lack of definition in fourths and fifths. While it does yield beautiful-sounding melodies, it also creates ambiguity in the thirds. Passed down by the Greeks to the Romans, it was used for a long period in church music as the scale for the Gregorian chants. In fact, it was the main tuning used up until the development of the Mean-Tone temperament.

Kirnberger

This tuning is an improvement of Mean-Tone and Equal temperaments. Along with the Werckmeister temperament, it is often used in concerts and recitals.

Werckmeister I and III

This temperament, which exhibits greater freedom of modulation than the Mean-Tone temperament, was devised to sound harmonically in key signatures with few incidentals and melodically in key signatures with more incidentals.

Young I and II

A classical temperament devised by Vallotti around 1754, later improved on by Young. This has become the basis for a variety of different tunings.



Once you set the temperament, it does not change until you use the procedure to switch the temperament again. Even when the [TONE CATEGORY] knob is adjusted for some other function, the temperament still remains the same.



The temperament is reset to Equal when the power is turned off.

Switching the Reverb Type

Reverb refers to the reverberation that normally occurs within a room. Applying reverb lets you add more richness to the sound being output. The lower the type number you select, the less reverb is added to the sound; higher numbers result in a grand, majestic-sounding reverberation. Pipe organs in particular are used in large churches that feature long reverberation times, and adding reverb allows you to reproduce this imposing sound.

Certain large organ models allow reverb to be applied to the sounds from a connected MX-200. In such instances, you may find it better not to add much reverb to the MX-200's sounds.

1. Press the [VALUE] knob so that the TUNE indicator lights in the display.
2. Turn the [PART] knob to select the reverb type.

PART Knob Position	Reverb Type	Description
1	OFF	No reverb added.
2	ROOM	Reverb of a relatively small room
3	STAGE	Reverb of a small stage
4	SMALL HALL	Reverb of a small hall
5	MEDIUM HALL	Reverb of a medium-sized hall
6	SMALL CHURCH	Reverb of a large hall
7	MEDIUM CHURCH	Reverb of a medium-sized church
8	LARGE CHURCH	Reverb of a large church
9	CATHEDRAL	Reverb of a large cathedral

You can select one reverb type to be applied to the MX-200's overall sound.

You can adjust the amount of reverb for each part individually with the **Part Reverb Send Level** (p. 23) in Edit mode.

Advanced Ways to use

Switching Tones with MIDI

Besides switching tones directly with the MX-200, you can also switch the MX-200's tones using MIDI. Rodgers organs are designed to take advantage of this function.

The following describes two ways to switch tones using MIDI.

Tone Map

The tones contained in the MX-200 can be selected with the numbers indicated in the tone map by means of Program Change (PC), Bank Select (MSB), and Bank Select (LSB).

MIDI signals are designed to enable the communication of performance data among sixteen separate sound modules.

With the MX-200, these sixteen sound modules correspond to the part numbers 1 through 16, and you can select the tone for each individual part by setting the PC, MSB, and LSB for the respective part.

For instructions on how to do this, refer to "Selecting Tones from the Organ" in the column to the right.

(Examples) Selected from the **Tone List** (p. 28)

No.	PC	MSB	LSB	Tone Name
001	1	93	126	32' Contre Geigen
002	2	93	126	16' Montre
003	3	93	126	16' Pommer
004	4	93	126	8' Second Diapason
005	5	93	126	8' Harmonic Flute

When "93" is received for the MSB, "126" for the LSB, and "3" for the PC, the tone "16' Pommer" is selected.

* The MX-200's display may not show any particular changes when tones are changed with MIDI. However, since changes are handled in exactly the same manner whether made with the panel controls or with MIDI, when a PC is received following adjustments with the panel controls, the tone selected with the panel controls is switched to the tone received via MIDI. Conversely, when a tone is switched with the panel controls after tones have been switched with MIDI, the tone selected via MIDI is switched to the tone selected with the panel controls.

Selecting Tones from the Organ

Using signals called MIDI Program Changes, the MX-200 allows you to switch its tones without directly operating the unit. You can store these Program Changes to the organ's MIDI couplers to switch the MX-200's tones.

By way of example, the following will set the Rodgers T797 organ's GT A MIDI coupler to "002: MX Strings" in the MX-200's STRINGS category. To select the "MX Strings" tone, you will need to set PC: 113, MSB: 93, and LSB: 126 (alternatively, you can select this with PC: 50, MSB: 65, and LSB: 0). (See **Tone List** (p. 28).)

→ Also refer to "Connecting to MIDI Devices" in the T797 Owner's Manual. If you happen to be using a different model Rodgers organ, similar descriptions will be given in the Owner's Manual for that model.

1. Hold down the organ's [SET] piston and press the MIDI coupler piston for the part to be used (in this case, press GT A).

The MIDI coupler piston flashes, indicating that the instrument can be set.

2. Turn the organ's [SELECT] knob to highlight the PGM number.

3. Rotate the organ's Alpha Dial to select the Program Change number (113) you want to have transmitted.

4. Turn the organ's [SELECT] knob to the MSB number.

5. Rotate the organ's Alpha Dial to select the Bank Select MSB number (93) you want to have transmitted.

6. Turn the organ's [SELECT] knob to the LSB number.

7. Rotate the organ's Alpha Dial to select the Bank Select LSB number (126) you want to have transmitted.

8. Press the GT A coupler piston.

It stops flashing. You can now play "MX Strings" tone on the Great manual.

→ For more detailed information on Program Change numbers and Bank Select MSB and LSB numbers, refer to the **Tone List** (p. 28).

The procedure above assigns "002: MX Strings" from the MX-200's STRINGS category to GT A MIDI.

NOTE

Save the MIDI coupler settings to the organ's combination piston. If you press the combination piston without first saving the MIDI coupler settings, the current settings will be cleared.

Switching Tones from the Organ Keyboard

Rodgers organs feature a "Quick Key Map" function that lets the performer use the organ keyboard to switch the tones. This function allows you to switch the MIDI coupler tones simply and easily as you perform, without having to adjust the MX-200 itself.

When switching tones, the only numbers that can be specified from the keyboard are the "PC" numbers. The MSB and LSB numbers must be set ahead of time. Following the instructions in the organ Owner's Manual, set the MSB to 65 and the LSB to 0. Setting the MSB to 65 selects the "Capital Tone" as the basic tone to be used. To select other variations, set MSB numbers from 66 to 69.

Instructions for Setting the MSB/LSB (Overview)

1. Hold down the SET piston and turn the SELECT knob to switch to the MIDI coupler settings screen.
2. Turn the SELECT knob to advance to the PGM/MSB/LSB menus.
 - * Some earlier model organs have no LSB displayed, and show VAR instead of MSB. However, as the LSB is set to 0 anyway, this presents no problem.
3. Set MSB to 65 and LSB to 0. Select a number for the PGM as well so that OFF no longer appears in the display.

How to Switch Tones Using the Quick Key Map

1. Hold down the (SET) piston and press the desired MIDI coupler.

The MIDI coupler lamp flashes, and the selected tone is enabled.
2. Play a key on the keyboard.

The tone is switched, without the note for that key being played, and the MIDI coupler lamp stops flashing and remains lit.

Quick Key Map Mode

In selecting tones with the keyboard as described above, if the (SET) piston is held down and one of the keys on the keyboard is pressed, the unit switches to **Quick Key Map mode**, and the MIDI coupler continues to flash.

You can perform as usual in this mode, but you can also change tones by holding down the (SET) piston and pressing a key on the keyboard.

To view the key map itself, see p. 42.

- * When using a device that has the MIDI couplers assigned to tablets, press the upper tablet area instead of the MIDI couplers.
- * Note that certain organ models do not feature a tone selection mode.

Part Mute

In addition to the MIDI coupler tones, performance data from the organ itself is transmitted via specific MIDI channels. Most Rodgers organs use Channel 12 through Channel 16 (Parts 12 through 16) for this purpose. The MX-200 features a "Part Mute" function to deal with this data. For instructions on making the Part Mute settings, refer to **Part Mute** (p. 23).

Rhythm Sets

Performance data received over Channel 10 (Part 10) contains particular tone arrangements called "rhythm sets." You can use a "rhythm set" in any part by selecting "rhy" for the part type (on p. 23).

For instructions on making the actual settings, refer to **Part Type** (p. 23).

Tremulant Effect

Tremulant is an effect that adds a trembling effect to the sound.

While this effect is generally known as "vibrato," with pipe organs, this particular effect is obtained through the use of special boxes that change the air pressure.

With the MX-200, tones in the Tone List (p. 28) appended with (*1) are linked with the organ, so the tremulant effect will be automatically applied when the tremulant is switched on by means of the organ's controls.

- * If the organ features two MIDI output systems, the MX-200 must be connected with the organ's Sequencer Out.
- * The organ must be set so that the tremulant is included in the stops.

However, some tones already have the tremulant applied.

(Example)

The FLUE #011 tone is the FLUE #004 tone with tremulant added.

Using SRX Wave Expansion Boards

The MX-200 is equipped with one "slot," which accepts a Roland SRX Series Wave Expansion Board. Installing a Wave Expansion Board allows you to increase the number of MX-200 tones you can use.

NOTE

The Wave Expansion Board can be installed by removing the top cover.

NOTE

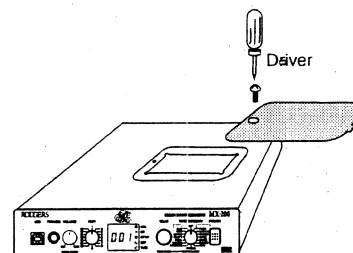
A wave board designed exclusively for use with the MX-200 comes installed in Slot B. **Do not remove this board.** Removing this board will prevent the MX-200 from functioning correctly.

■ Cautions When Installing an Wave Expansion Board

- To avoid the risk of damage to internal components that can be caused by static electricity, please carefully observe the following whenever you handle the board.
 - Before you touch the board, always first grasp a metal object (such as a water pipe), so you are sure that any static electricity you might have been carrying has been discharged.
 - When handling the board, grasp it only by its edges. Avoid touching any of the electronic components or connectors.
 - Save the bag in which the board was originally shipped, and put the board back into it whenever you need to store or transport it.
- Do not touch any of the printed circuit pathways or connection terminals.
- Never use excessive force when installing a circuit board. If it doesn't fit properly on the first attempt, remove the board and try again.
- When circuit board installation is complete, double-check your work.
- Install only the specified board, and remove only the specified screws.
- Be careful not to cut your hands on the opening for installing the board.

■ How to Install a Wave Expansion Board

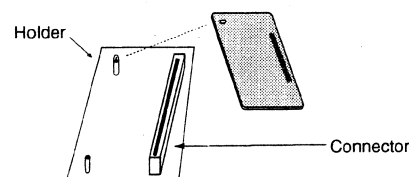
1. Before installing the Wave Expansion Board, switch off the power to the MX-200 and any connected equipment.
2. Detach the cover on the upper portion of the MX-200. Loosen the screw on the upper portion of the cover.



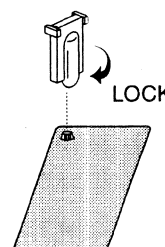
3. Position the board holders so they are oriented.



4. Insert the connector for the Wave Expansion Board into the connector on the unit, and at the same time, fit the board holders into the holes.



5. Use the tool supplied with the Wave Expansion Board to rotate the board holders to LOCK, securing the Wave Expansion Board in place.



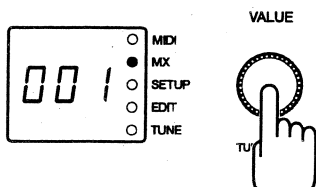
6. Use the (specified) screws you removed in step 2 to reattach the cover.

This completes the installation of the Wave Expansion Board. Next, make sure the board is installed correctly (p. 16).

Advanced Ways to use

■ Check to make sure the board has been installed properly

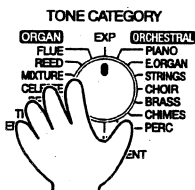
1. Press the POWER switch on the MX-200 to switch on the power (p. 9).
2. Press [VALUE] to select the MX mode.



→ When you have a Wave Expansion Board installed, "roland MX-200" is displayed when you turn on the power, and then the last two digits of the Wave Expansion Board's model name are displayed.

For example, If you have an SRX-01 "Dynamic Drum Kits" installed, "A01" will be displayed.

3. Turn [TONE CATEGORY] to choose EXP.



If 001 appears in the display, the Wave Expansion Board has been installed correctly.

NOTE

If the display shows "---," it's likely that the Wave Expansion Board is not being recognized correctly. Follow the steps in **Turning Off the Power** (p. 9) to switch off the power, then reinstall the Wave Expansion Board, making sure you do it correctly.

Using a Sequencer

Playback

When data prescribing the tone selections has been placed at the beginning of a song, the song is played using the tones the song data prescribes, regardless of the MX-200's settings. If no data prescribing the tone selections has been recorded at the beginning of a song, the song is played in accord with the MX-200's settings.

In addition, when GS or GM song data is played back, the MX-200 functions as a GS/GM sound module.

NOTE

The MX-200 may not function as a GS/GM sound module when RECEIVE GM2 ON (p. 25) is set to OFF.

Recording

The arrangement by which the data for selecting tones is recorded at the beginning of the song data is handled by the organ and sequencer. When the sequencer is placed in record mode, it transmits a message alerting the organ that it is ready for recording. In response to this, the organ transmits information regarding the tones selected on the organ itself and the MIDI coupler tone selection data. The sequencer records this information while further transmitting the tone selection data to the MX-200. In this manner, the sequencer records the tone selection data at the beginning of the song data.

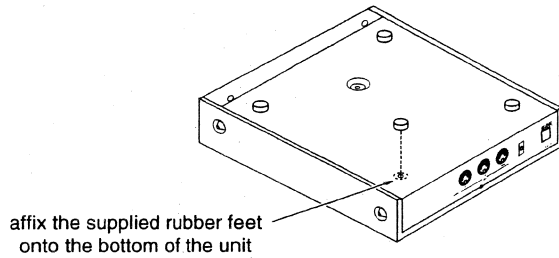
The MX-200 is designed to be used in conjunction with the MR-200 sequencer, which performs the operation described above automatically. When using other sequencers with the MX-200, refer to the corresponding MIDI Implementation for the proper settings.

Setting up your MX-200

Getting Ready to Play

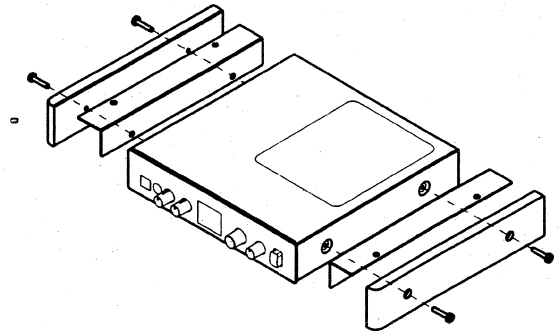
■ Attaching the Rubber feet

Attach the rubber feet that were supplied with the MX-200, as shown in the figure. Use the small holes on the bottom as a guide for positioning the rubber feet when attaching them.

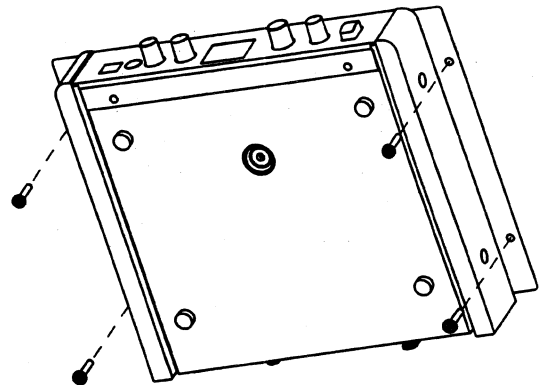


■ Attaching to the Lower Part of the Organ

1. Remove the four screws securing the side boards.
2. Place the supplied brackets between the side boards and the instrument and secure with the screws removed in Step 1.



3. Secure the organ with the included screws.



NOTE

Two or more persons are required to perform this installation. Be sure to use due care during the procedure. In performing the installation, carefully note the location of the input and output jacks, and choose a location where no obstruction will result.

Setting up your MX-200

Connecting to the Organ

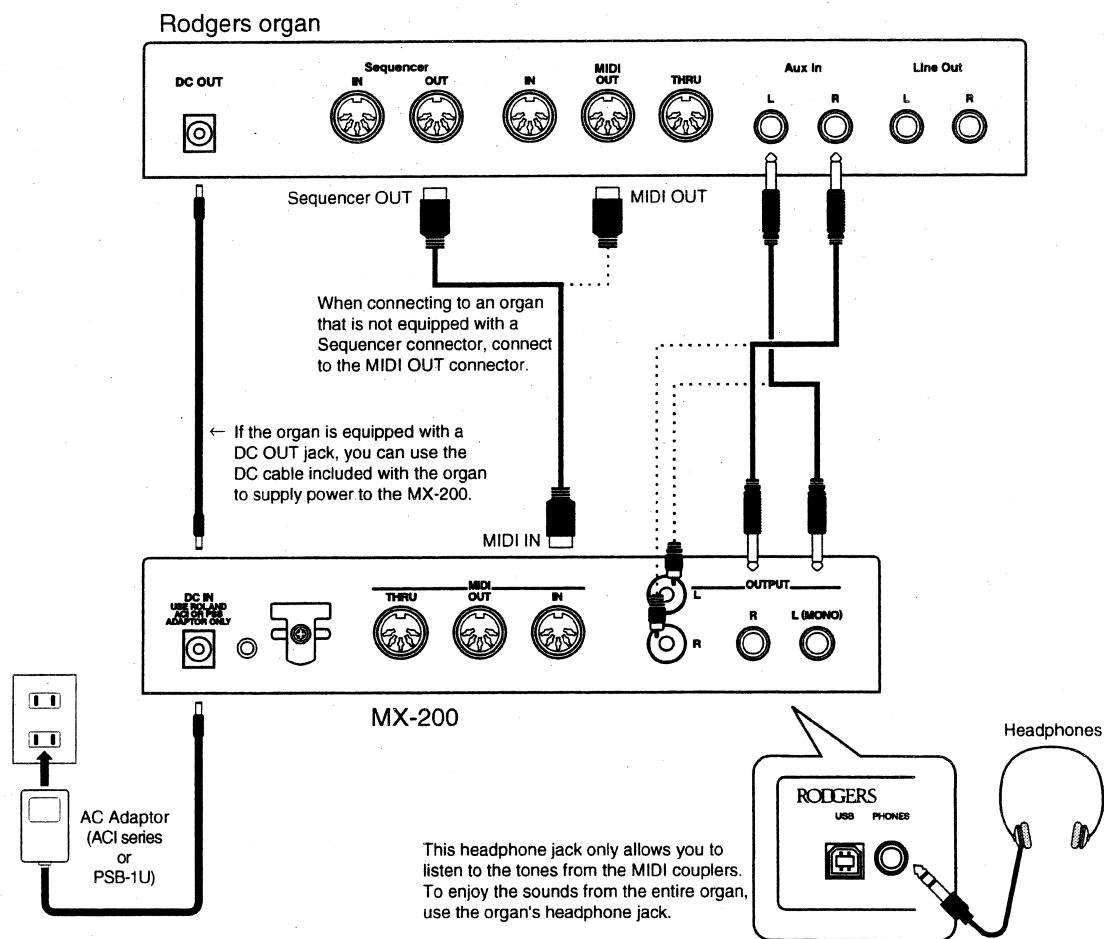
The MX-200 contains no amplifier or speakers. Refer to the diagram below and connect it to the organ.



To prevent malfunction and/or damage to speakers or other devices, always turn down the volume, and turn off the power on all devices before making any connections.

1. Make sure that the power to all connected devices is turned off before making any connections.
2. Connect audio cables and MIDI cables as shown in the figure.
3. Connect the included AC adaptor to the DC IN jack, and plug into a power outlet.

■ When Connecting Only the MX-200



If you need to use the MX-200 monaurally, connect only to the L (MONO) OUTPUT phone jack.



The MX-200's headphone output allows you to hear only the sounds made by the MX-200 itself. Use the organ's headphone output if you want to hear the MX-200's sounds combined with the organ sound through headphones.

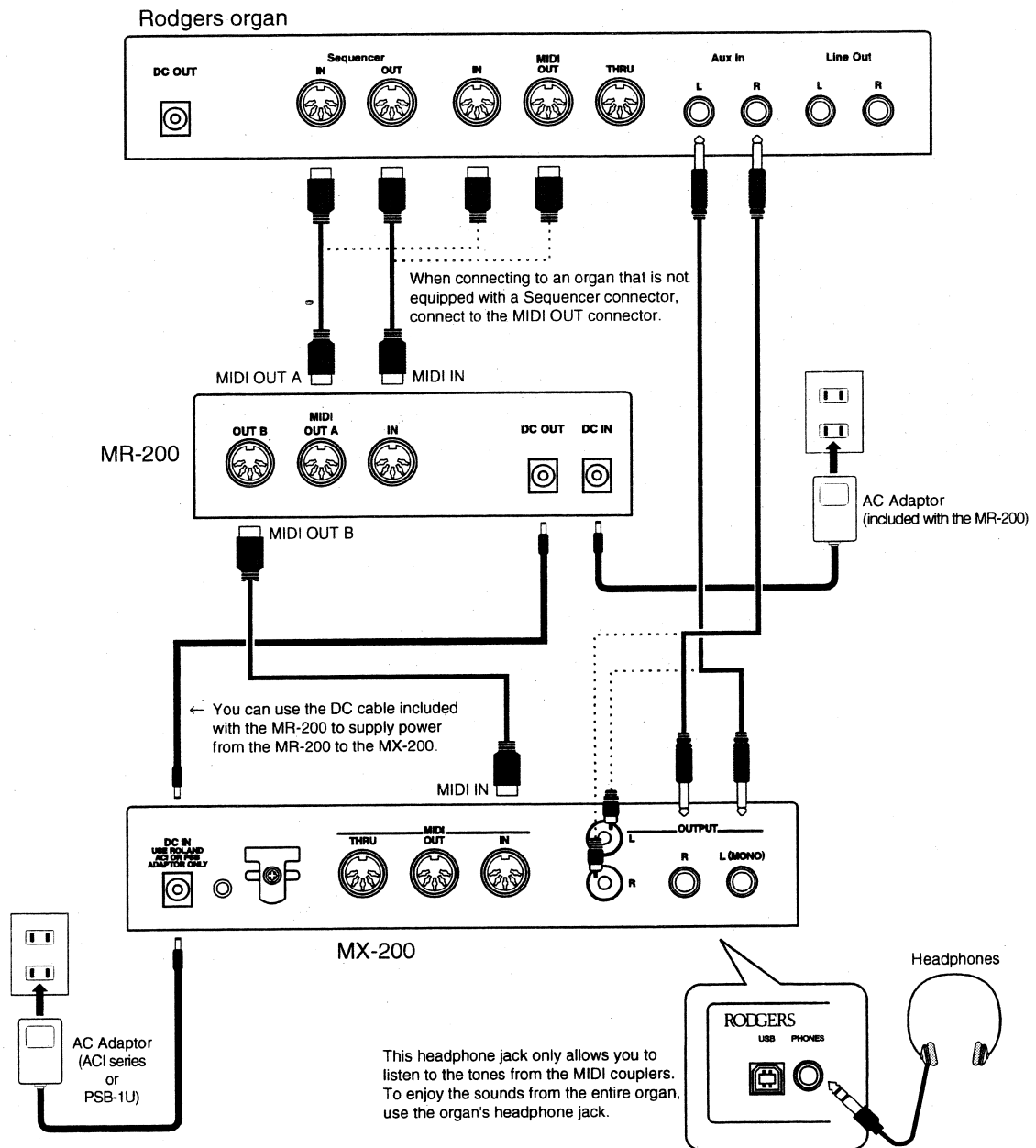
When Powering the MX-200 from the Organ

Certain Rodgers organs come equipped with a DC OUT jack for use with external devices. You can use this to supply power to the MX-200. The organ is equipped with a dedicated power cord; use this to connect the MX-200. This feature allows you to turn on the power to the MX-200 and the organ simultaneously.



Leave the MX-200's POWER switch on at all times.

■ When Using the MX-200 Connected to an MR-200



When Powering the MX-200 from an MR-200

The MR-200 is equipped with a DC OUT jack for use with external devices. You can use this to supply power to the MX-200. This feature allows you to turn on the power to the MX-200 and the MR-200 simultaneously.

MEMO

Leave the MX-200's POWER switch on at all times.

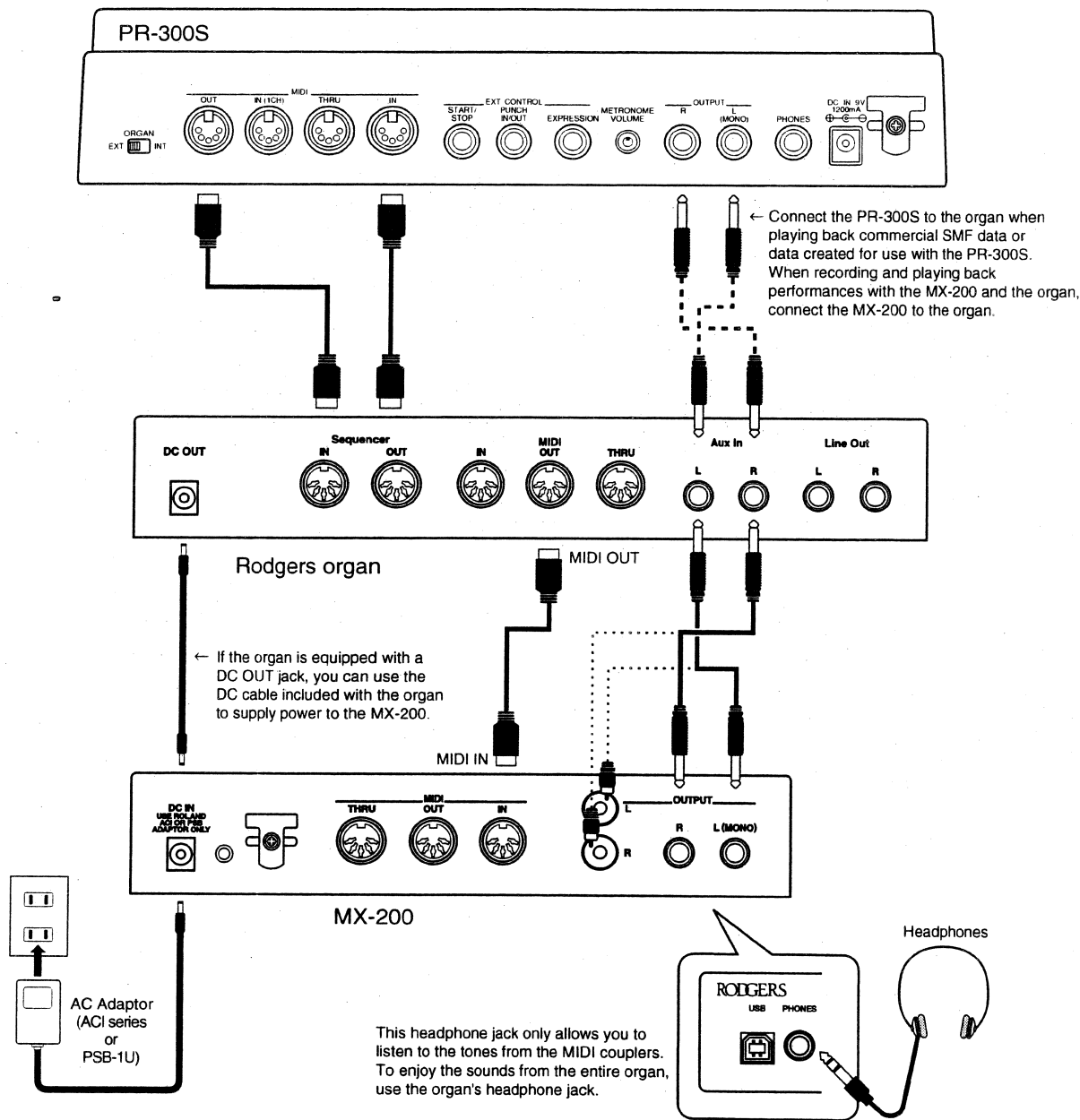
NOTE

When connecting the devices in this manner, use the 9V/2A adapter included with the MR-200.

NOTE

A Rodgers organ is capable of powering only one external device. It cannot be used to supply power to both the MR-200 and the MX-200. When powering the MR-200 from a Rodgers organ, do not use the MR-200's DC OUT jack.

■ When Using the MX-200 Connected to a PR-300S



Make the following settings when using the MX-200 in combination with the PR-300S:

- Set the MX-200's Tuning (p. 11) to 440.0 Hz.
- Set the MX-200's RECEIVE GM2 ON (p. 25) setting to OFF. → **Preventing the MX-200 From Switching to GM2 Mode** (p. 26)
- Set all of the PR-300S's MIDI channels to EXTERNAL (Ext). For instructions on making these settings, refer to the PR-300S Owner's Manual.

NOTE

Note the following points when making these connections.

- You cannot record performances in SMF format, nor can you play back SMF data.
- Using the Rodgers organ's tremulant stop does not apply the tremulant effect to the MX-200's tones (the tremulant effect may be obtained by selecting a tone that includes tremulant).
- The above connection is not available with Rodgers Insignia Series organs, as they feature only one MIDI OUT.

Tuning the Power ON/OFF

■ Turning On the MX-200



Once the connections have been completed (pp. 18–20), turn on power to your various devices in the order specified. By turning on devices in the wrong order, you risk causing malfunction and/or damage to speakers and other devices.

1. Press the MX-200's [POWER] button to turn on the power.
2. Turn on the power to other connected devices.

* This unit is equipped with a protection circuit. A brief interval (a few seconds) after power up is required before the unit will operate normally.

■ Turning Off the MX-200

1. Turn off the power to the connected devices.
2. Press the MX-200's [POWER] button to turn off the power.

Restoring the Factory Settings (Factory Reset)

When using the MX-200 for the first time, reset the unit to its original factory settings.

The following procedure resets all of the settings stored in the MX-200 to the original factory settings.



As the result of executing the following procedure, all data stored within the unit will revert to the original factory condition. Do not perform this procedure after you've adjusted the settings to match your organ.

1. Hold down [VOLUME] and press [VALUE] to enter Edit mode.
The "EDIT" MODE indicator lights.
2. Turn [TONE CATEGORY] to select "CELESTE (SETUP MODE)."
The "SETUP" MODE indicator lights.
3. Turn [PART] to select "3 (FACTORY RESET)."
"Fct" appears in the display.
4. Press [VALUE].
"Sur" flashes, and a confirmation screen is displayed.
5. Press [VALUE] once more to execute the Factory Reset.
Once completed, the MX-200 returns to the regular MX mode.
* To cancel the procedure, press [VOLUME].

Listening to the Demo Songs

Listen to the output of the sound to confirm that the MX-200 is properly connected.

1. Press [VOLUME] to enter Demo mode.
2. Turn [VALUE] to select the demo song you want to hear.
3. Press [VALUE] to start the song.
4. Press [VALUE] once again to stop the song.
5. Press [VOLUME] to exit Demo mode.

This concludes the setup procedure.

Adjusting your Organ

After setting up the unit, make the adjustments needed to get it to function in a manner that is suitable for the organ you are using.

Making Original Settings

Use the following procedures to adjust the MX-200 to the conditions in which it is to be used. Be sure to make these settings correctly in order to fully bring out the great sounds provided by the MX-200.

First make the global settings that are applied to the entire MX-200, then adjust the sounds for each part.

■ Selecting How the MX-200 is Used

The following procedure allows you to call up "preset" settings. Presets incorporate a complete range of settings in pre-programmed templates.

1. Hold down [VOLUME] and press [VALUE] to enter Edit mode.

The "EDIT" MODE indicator lights.

2. Turn [TONE CATEGORY] to select "CELESTE (SETUP MODE)."

The "SETUP" MODE indicator lights.

3. Turn [PART] to select "1 (SELECT ORGAN TYPE)."

The preset number ("P01" in the example) appears in the display.

4. Turn [VALUE] to select the preset number.

Select the organ type while referring to the following table.

Preset Number	Description of Settings
P01	Settings for Rodgers organs MUTE is OFF for Channels 1–11, ON for Channels 12–16.
P02	MUTE for all channels 1–16 is OFF
USr	Settings saved with the Write operation * Settings are written to USr if the Write operation is performed in Edit mode.

* For more on the values of the Preset settings, refer to **Preset (P01, P02) Settings** (p. 44).

■ Adjusting Equalizer

This procedure is used to fine-tune the frequency response of the sounds output by the MX-200 in accordance with your setup.

These are system-wide adjustments made to the entire MX-200.

These adjustments affect only the sound generator selected in DRY SEND in Edit mode. The frequency response of the reverb or chorus sounds being output are not changed.

1. Hold down [VOLUME] and press [VALUE] to enter Edit mode.

The "EDIT" MODE indicator lights.

2. Turn [TONE CATEGORY] to select "PEDAL (EQ HIGH GAIN)."

3. Turn [VALUE] to adjust the high-frequency gain.

You can adjust the level to values within the range from -15 to 15.

Under standard conditions, this is ordinarily set to "0."

4. Repeat Steps 2 and 3 for the remaining frequency ranges.

The reference frequencies for each EQ are shown below.

EQ HIGH GAIN (PEDAL)	2000 Hz
EQ MID H GAIN (THEATER)	1000 Hz
EQ MID L GAIN (ENSEMBLE)	400 Hz
EQ LOW GAIN (OTHERS)	200 Hz

5. Press [VOLUME] to exit Edit mode.



After adjusting the EQ, use the Write operation (p. 24) to write the settings to the User area. The settings are cleared when you turn off the power unless they have been written to the User area.

Settings for Each Individual Part

The settings in the following table can be set separately for each part.

TONE CATEGORY Knob Position	Parameter	Value
MIXTURE	EQ ON/OFF	OFF, On
REED	TYPE	ton, rhy
FLUE	MUTE	OFF, On
PIANO	LEVEL	0-127
E.ORGAN	PAN	L64-63r
STRINGS	COARSE TUNE	-48-48
CHOIR	FINE TUNE	-50-50
BRASS	REVERB SEND	0-127
CHIMES	CHORUS SEND	0-127
PERC	DRY SEND	0-127

Procedure

1. Hold down [VOLUME] and press [VALUE] to enter Edit mode.

The "EDIT" MODE indicator lights.

2. Turn [TONE CATEGORY] to select the parameter.
3. Turn [VALUE] to adjust the setting.
4. Press [VOLUME] to exit Edit mode.

Description of Each Parameter

■ EQ ON/OFF

This setting determines whether or not the EQ in each part is used.

As explained in the section **Adjusting Equalizer** (p. 22), adjustments to the EQ settings themselves are applied to the MX-200 overall. The EQ ON/OFF setting selects whether the internal EQ is used in each individual part.

■ Part Type

This selects whether a tone (ton) or rhythm set (rhy) is assigned to the selected part. Normally, a tone is assigned. Only rhythm sets are assigned to PART 10.

■ Part Mute

This setting determines whether sounds in each part are muted (ON), or played (OFF).

Rodgers organs feature 12 to 16 parts that are used in exchanging performance data. We recommend that these parts be muted to prevent their sounds from being played.

■ Part Level

These settings determine the volume level of each part.

They are used primarily to achieve a volume balance among the different parts.

■ Part Pan

These settings set the apparent position of the sound in each part.

A setting of L64 places the sound to the far left, 0 positions the sound at the center, and 63r puts the sound at the far right.

■ Part Coarse Tune

This sets the pitch of each part to a maximum four octaves up or down in semitone units.

This is indicated by the values -48 to 48.

■ Part Fine Tune

This sets the pitch of each part to a maximum half-semitone up or down in units of one cent (1/100th of a semitone).

■ Part Reverb Send Level

This sets the amount of reverb applied in each part. Set this to 0 for parts to which you do not want reverb applied. No EQ is applied to the reverb output.

■ Part Chorus Send Level

This sets the amount of chorus applied in each part. Set this to 0 for parts to which you do not want chorus applied. No EQ is applied to the chorus output.

■ Part Output Level (DRY SEND)

This sets the output level of the source sound from each part. You can apply EQ to this source sound.

Storing the Settings Within the MX-200 (Write Operation)

The settings described up to this point are cancelled when the power is turned off. Once you have finished making the necessary adjustments, use the Write operation to store the settings in the MX-200. After you perform the Write operation, then the next time you turn on the power to the MX-200, it operates according to the same settings as those previously recorded.

Procedure

1. Hold down [VOLUME] and press [VALUE] to enter Edit mode.
The "EDIT" MODE indicator lights.
2. Turn [TONE CATEGORY] to select "EXP (WRITE)."
"Wrt" appears in the display.
3. Press [VALUE].
"Sur" flashes in the display, and a screen requesting your confirmation appears.
4. Press [VALUE] once again.
The current settings are stored to the MX-200.

Recording the Settings to an External Sequencer

This describes how to connect a sequencer to the MX-200 and record the MX-200's settings to the sequencer.

Using DATA TRANSFER, the settings can be sent (from the MIDI OUT connector) to an external device. Then, using a sequencer such as the MR-200, you record these settings just as you would record a song. You can also save the recorded settings onto floppy disks or other storage media.

To use the recorded settings on the MX-200, get your sequencer to play back the settings that were saved.

■ Recording the Settings

1. Connect the MX-200's MIDI OUT connector to the sequencer's MIDI IN connector.
2. Put the sequencer in record mode.
3. Hold down [VOLUME] and press [VALUE] to enter Edit mode.
The "EDIT" MODE indicator lights.

4. Turn [TONE CATEGORY] to select "CELESTE (SETUP MODE)."
The "SETUP" MODE indicator lights.
5. Turn [PART] to select "15 (DATA TRANSFER)."
"dtr" appears in the display.
6. Press [VALUE].
"Sur" appears in the display.
7. Begin recording with the sequencer.
8. Press [VALUE] to output the MX-200's settings data from the MIDI OUT connector.
The dot in the display flashes, indicating that transfer of the data is in progress.
9. The data transfer is completed in about 20 seconds, and the MX-200 returns to the original MX/TUNE mode.
10. Stop recording with the sequencer.

Save the recorded settings to a floppy disk or other media.

■ Calling Up the Settings from the Sequencer

1. Connect the sequencer's MIDI OUT connector to the MX-200's MIDI IN connector.
2. Select and play back the recorded settings.
The MIDI indicator in the MX-200's display flashes at this time. If the indicator does not flash, it may be due to a mistake in the connections or in the sequencer settings.
** Play back the settings at the same tempo used during recording.*
3. Playback is completed in about 20 seconds, and the MX-200 is programmed with the recorded settings.



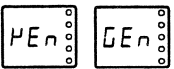
If transfer of the data is interrupted during playback, use Factory Reset to restore the MX-200 to its original factory settings (this results in the loss of the MX-200's settings). If possible, try calling up the settings again from the sequencer.

Other Settings

■ Making USB and MIDI Related Settings

Procedure

1. Hold down [VOLUME] and press [VALUE] to enter Edit mode.
2. Turn [TONE CATEGORY] to select "CELESTE (SETUP MODE)."
3. Turn [PART] to select the parameter.
4. Turn [VALUE] to select the desired setting.
5. Press [VALUE] to set (write) the value.
6. Press [VOLUME] to exit Edit mode.

PART Knob Position	Parameter	Value	Description
6	PERFORMANCE CONTROL CHANNEL	1-16, OFF	When MIDI messages from an external device are used to switch the MX-200's Organ Type setting, set the external device's transmission channel and this channel setting to the same channel. * After Factory Reset, this is set to "OFF." Do not change this setting unless you have a particular need to do so.
7	USB DESCRIPTOR	VEN, GEN 	This parameter will be used with future expansions. Although it normally does not affect operations, keep it set to "VEN" anyway. VEN (VENDOR): Select this setting. GEN (GENERIC): Do not select this setting.
8	MIDI-USB THRU	OFF, ON	This parameter will be used with future expansions. Ordinarily, you should keep this set at "OFF."
9	RECEIVE GM2 ON	OFF, ON	This setting determines whether GS RESET, GM SYSTEM ON, and GM 2 SYSTEM ON MIDI messages are received (ON), or not (OFF) (p. 26). * This is normally set to "ON." Set this to "OFF" only when recording the MX-200's tones while using the MX-200 in combination with a PR-300S.

* With these parameters except RECEIVE GM2 ON, changes in the settings are not reflected until the power is turned off and then on again.

■ Checking the Program Version

Procedure

1. Hold down [VOLUME] and press [VALUE] to enter Edit mode.
2. Turn [TONE CATEGORY] to select "CELESTE (SETUP MODE)."
3. Turn [PART] to "5 (VER.DISPLAY)."
The program version (number) is displayed.
4. Press [VOLUME] to exit Edit mode.

Using the MX-200 as a General MIDI 2/GS Sound Module (GM2 Mode)

The MX-200 features a GM2 mode—a convenient way to play back or create General MIDI score data (music files for General MIDI sound module).

■ Entering GM2 Mode

GM2 mode refers to the mode in which the sound generator is readied for use with General MIDI System beforehand. Basically, this means that the GM System Rhythm Set is assigned to Part 10 and GM System Tones are assigned to other Parts.

Each time you enter GM2 mode, the GM Drum Set is assigned to Part 10, and Piano 1 is assigned to other Parts. You can also select other GM Tones and GM Rhythm Sets for each Part to match the performance.

Procedure for Switching to GM2 Mode

1. Hold down [VOLUME] and press [VALUE] to enter Edit mode.
2. Turn [TONE CATEGORY] to select "CELESTE (SET UP MODE)."
3. Turn [PART] to select "13 (GM2 MODE)."
4. Turn [VALUE] to select "GM2."
5. Press [VALUE].

The "GM2" in the display stops flashing and remains lit, indicating that the MX-200 has switched to GM2 mode.

Exiting GM2 Mode

1. Press [VOLUME].

The unit switches from GM2 mode to MX mode.

* The MX-200 does not remember that it has been placed in GM2 mode. The instrument automatically reverts to MX mode (or Tune mode) each time the power is turned on.

■ Initializing the Sound Generator for General MIDI System Basic Settings

To play back a General MIDI score correctly, the sound generator must first be initialized to basic GM system settings. The MX-200's sound generator is initialized in the following situations:

- When the MX-200 is switched to GM2 mode
- When it receives a GM/GM2 System On message from an external MIDI device
- When a GM/GM2 System On message is encountered in the song data being played back

GM/GM2 System On Message

The GM/GM2 System On messages put the unit in a state that conforms to the General MIDI System and initializes a General MIDI-compatible sound generator.

Preventing the MX-200 From Switching to GM2 Mode

When using the MX-200 connected to a PR-300S, you can set the MX-200 so that it does not switch to GM2 mode.

1. Hold down [VOLUME] and press [VALUE] to enter Edit mode.
2. Turn [TONE CATEGORY] to select "CELESTE (SET UP MODE)."
3. Turn [PART] to select "9 (RECEIVE GM2 ON)."
4. Turn [VALUE] to select "OFF."
5. Press [VALUE].

The GS RESET, GM SYSTEM ON, and GM 2 SYSTEM ON MIDI messages will not be received.

* Set this to "OFF" only when recording the MX-200's tones using the MX-200 in combination with a PR-300S.

Bank Select and Program Change Correspondence Chart

Bank Select		PC	Tone Group
MSB	LSB		
0-63	-	001-128	GS Tones
65	0	001-128	Quick Key Map [Capitol Tones]
66		001-128	Quick Key Map [Variation 1]
67		001-128	Quick Key Map [Variation 2]
68		001-128	Quick Key Map [Variation 3]
69		001-128	Quick Key Map [Variation 4]
85	-	-	Do NOT select!
86	64	001	XV R&B KIT (r04)
		002	XV HOUSE KIT (r05)
		003	XV TECHNO KIT (r06)
		004	XV POP KIT (r07)
	65	001	XV ROCK KIT (r08)
		002	XV JAZZ KIT (r09)
		003	XV RUST KIT (r10)
		004	XV ORCHESTRA KIT (r011)
	127	001	GS STANDERD (r13)
		009	GS ROOM (r15)
		017	GS POWER (r17)
		025	GS ELECTRIC (r19)
		026	GS TR-808 (r21)
		033	GS JAZZ (r23)
		041	GS BRUSH (r25)
		049	GS ORCHESTRA (r27)
		057	GS SFX (r29)
		128	GS CM64/32L (r30)
87	64	001-128	Preset A
	65	001-128	Preset B
	66	001-128	Preset C
	67	001-128	Preset D
92	(*1)	(*1)	SRX Expansion Rhythm set
	127	001	MX ORCHESTRA (r01)
		002	MX GS ASSIGN (r02)
		003	MX MANUAL PERCUSSION (r03)
93	(*1)	(*1)	SRX Expansion Tones
	126	001-128	MX Tones (001-128)
	127	001-118	MX Tones (129-246)
120	0	001	GM2 STANDARD (r12)
		009	GM2 ROOM (r14)
		017	GM2 POWER (r16)
		025	GM2 ELECTRIC (r18)
		026	GM2 ANALOG (r20)
		033	GM2 JAZZ (r22)
		041	GM2 BRUSH (r24)
		049	GM2 ORCHESTRA (r26)
		057	GM2 SFX (r28)
121	0-9	001-128	GM/GM2 Tones

*1: See SRX series Owner's Manual.

Tone List

Organ/Orchestral Tones

FLUE

No.	PC	MSB	LSB	Tone Name	PC	MSB	LSB
001	1	93	126	32' Contre Geigen	84	65	0
002	2	93	126	16' Montre	85	65	0
003	3	93	126	16' Pommer	86	65	0
004	4	93	126	8' Second Diapason	89	65	0 *1
005	5	93	126	8' Harmonic Flute	90	65	0 *1
006	6	93	126	8' First Diapason	88	65	0
007	7	93	126	16' Quintadena	91	67	0
008	8	93	126	8' Quintadena	91	65	0 *1
009	9	93	126	4' Major Flute	92	65	0 *1
010	10	93	126	1' Sifflute	93	65	0
011	11	93	126	8' Second Diapason (with Trem)	89	66	0
012	12	93	126	8' Harmonic Flute (with Trem)	90	66	0
013	13	93	126	8' Quintadena (with Trem)	91	66	0
014	14	93	126	4' Major Flute (with Trem)	92	66	0

REED

No.	PC	MSB	LSB	Tone Name	PC	MSB	LSB
001	15	93	126	16' Royal Trumpet	111	65	0
002	16	93	126	8' Royal Trumpet	112	65	0
003	17	93	126	4' Royal Trumpet	112	66	0
004	18	93	126	8' Royal Tuba	113	65	0
005	19	93	126	16' Posthorn	122	65	0
006	20	93	126	8' Posthorn	122	66	0
007	21	93	126	8' Kinura	121	65	0 *1
008	22	93	126	8' French Horn	107	65	0 *1
009	23	93	126	8' English Horn	109	65	0 *1
010	24	93	126	8' Cor d'Amour	108	65	0 *1
011	25	93	126	8' Vox Humana	110	65	0 *1
012	26	93	126	8' Kinura (with Trem)	121	66	0
013	27	93	126	8' French Horn (with Trem)	107	66	0
014	28	93	126	8' English Horn (with Trem)	109	66	0
015	29	93	126	8' Cor d'Amour (with Trem)	108	66	0
016	30	93	126	8' Vox Humana (with Trem)	110	66	0

MIXTURE

No.	PC	MSB	LSB	Tone Name	PC	MSB	LSB
001	31	93	126	IV Fourniture	94	65	0
002	32	93	126	IV Scharf	95	65	0
003	33	93	126	IV Grave Mixture	94	66	0
004	34	93	126	IV Echo Mixture	94	67	0
005	35	93	126	II Sesquialtera	96	65	0 *1
006	36	93	126	IV Cornet 4'	97	65	0 *1
007	37	93	126	II Jeu de Clochette	95	66	0
008	38	93	126	5-1/3' Gross Quint	87	67	0
009	39	93	126	3-1/5' Gross Terz	87	68	0
010	40	93	126	8/9' None	93	66	0
011	41	93	126	II Sesquialtera (with Trem)	96	66	0
012	42	93	126	IV Cornet 4' (with Trem)	97	66	0

*1: Linked to organ's tremulant

CELESTE

No.	PC	MSB	LSB	Tone Name	PC	MSB	LSB
001	43	93	126	16' Cello Celeste II	98	65	0
002	44	93	126	16' Erzahler Celeste II	99	65	0
003	45	93	126	8' Cello Celeste II	101	65	0
004	46	93	126	8' Voce Umana II	88	66	0
005	47	93	126	8' Muted Viols II	102	65	0
006	48	93	126	4' Violina Celeste II	104	65	0
007	49	93	126	4' Erzahler Celeste II	105	65	0
008	50	93	126	4' Flute Celeste II	106	65	0
009	51	93	126	8' Voce Umana II	89	67	0
010	52	93	126	16' Viols Chorus II	100	65	0
011	53	93	126	8' Viols Chorus IV	103	65	0
012	54	93	126	4' Viols Chorus II	103	66	0

PEDAL

No.	PC	MSB	LSB	Tone Name	PC	MSB	LSB
001	55	93	126	32' Untersatz	80	65	0
002	56	93	126	32' Posaune	82	65	0
003	57	93	126	32' Contra Violone	79	65	0
004	58	93	126	32' Bazuin	81	65	0
005	59	93	126	16' Posaune	83	65	0
006	60	93	126	21-1/3' Grave Diapente	87	66	0
007	61	93	126	10-2/3' Gross Quint	87	65	0
008	62	93	126	2' Zink	121	67	0

THEATER

No.	PC	MSB	LSB	Tone Name	PC	MSB	LSB
001	63	93	126	16' Tibia Clausa	114	65	0
002	64	93	126	8' Tibia Clausa	115	65	0
003	65	93	126	5-1/3' Tibia Fifth	118	66	0
004	66	93	126	4' Tibia Piccolo	117	65	0
005	67	93	126	2-2/3' Tibia Twelfth	118	65	0
006	68	93	126	2' Tibia Piccolo	119	65	0
007	69	93	126	1' Tibia Fife	119	66	0
008	70	93	126	1-3/5' Tibia Tierce	118	67	0
009	71	93	126	8' Vox Humana	120	65	0

ENSEMBLE

No.	PC	MSB	LSB	Tone Name	PC	MSB	LSB
001	72	93	126	Royal Trumpets 16', 8', 4'	112	67	0
002	73	93	126	Tibias 8', 4'	116	65	0
003	74	93	126	Tibias 8', 4', 2'	116	66	0
004	75	93	126	Tibias 16', 8', 4', 2'	116	67	0
005	76	93	126	Principal Chorus 8', 4', 2'	89	68	0

PIANO

No.	PC	MSB	LSB	Tone Name	PC	MSB	LSB
001	77	93	126	Grand MX	2	65	0
002	78	93	126	Pop Piano MX	1	65	0
003	79	93	126	Sparkle Piano	2	66	0
004	80	93	126	Warm pF Mix	1	66	0
005	81	93	126	Honky Tonk MX	2	67	0
006	82	93	126	Y2K Concerto	3	65	0
007	83	93	126	Piano + Strings	3	66	0
008	84	93	126	Piano + Soft Pad	3	67	0
009	85	93	126	Stage 73	4	66	0
010	86	93	126	Fat Rhodes	4	65	0
011	87	93	126	Rholitzer	5	65	0
012	88	93	126	Smooth Rhodes	5	66	0
013	89	93	126	Hit Rhodes	4	67	0
014	90	93	126	Mr. Mellow	5	67	0
015	91	93	126	MX Accordion	24	65	0
016	92	93	126	Stereo Harpsichord	7	65	0
017	93	93	126	Harpsichord F/B/B4	8	65	0
018	94	93	126	Harpsichord F4/B	8	66	0
019	95	93	126	Harpsichord Front	7	66	0
020	96	93	126	Harpsichord Back	7	67	0

E.ORGAN

No.	PC	MSB	LSB	Tone Name	PC	MSB	LSB
001	97	93	126	Rocker Spin	17	67	0
002	98	93	126	Soft Perky	17	65	0
003	99	93	126	Soft B	17	66	0
004	100	93	126	Ballad B	18	65	0
005	101	93	126	Perky B	18	66	0
006	102	93	126	Full Stops	19	67	0
007	103	93	126	Gospel Spin	18	67	0
008	104	93	126	D-50 Organ	19	66	0
009	105	93	126	Surf's Up!	19	65	0
010	106	93	126	Church Harmony	21	65	0
011	107	93	126	Cathedral	22	65	0
012	108	93	126	Wedding Mass	22	66	0
013	109	93	126	MX Church Organ 1	20	65	0
014	110	93	126	MX Church Organ 2	20	66	0
015	111	93	126	MX Church Organ 3	20	67	0

* The PC, MSB, and LSB appearing to the right of the Tone Name are the PC, MSB, and LSB used in the Quick Key Map (p. 42).

STRINGS

No.	PC	MSB	LSB	Tone Name	PC	MSB	LSB
001	112	93	126	Expressimo	30	66	0
002	113	93	126	MX Strings	50	65	0
003	114	93	126	Wide Strings	52	67	0
004	115	93	126	Film Octaves	52	66	0
005	116	93	126	Orchestral Strings	31	66	0
006	117	93	126	Harmonic Strings	38	65	0
007	118	93	126	My Orchestra	39	66	0
008	119	93	126	Full Orchestra	39	65	0
009	120	93	126	Lush Strings 2	51	65	0
010	121	93	126	Fat Strings	51	66	0
011	122	93	126	Ultra Smooth	50	66	0
012	123	93	126	Strings Ensemble	49	65	0
013	124	93	126	Contrabass Section	32	65	0
014	125	93	126	Octave Strings 1	32 (52)	66 (65)	0
015	126	93	126	Octave Strings 2	31	65	0
016	127	93	126	Slow Octave Strings	32	67	0
017	128	93	126	Full Tremolo	45	65	0
018	1	93	127	Marcato	49	66	0
019	2	93	127	Chamber Strings	28	65	0
020	3	93	127	Chamber Quartet	29	65	0
021	4	93	127	Full Chamber Strings	29	66	0
022	5	93	127	Violin/Cello 1	44	65	0
023	6	93	127	Baroque 1	28	66	0
024	7	93	127	Baroque 2	42	66	0
025	8	93	127	Lead 4x Violins	30	65	0
026	9	93	127	Full Pizzicato mp	46	67	0
027	10	93	127	Orchestral Pizzicato	46	65	0
028	11	93	127	Bass Pizzicato	46	66	0
029	12	93	127	Violin/Cello 2	44	66	0
030	13	93	127	Warm Violin	41	65	0
031	14	93	127	Slow Violin/Cello	42	65	0
032	15	93	127	Real Cello	43	65	0
033	16	93	127	Warm Cello	43	66	0

CHOIR

No.	PC	MSB	LSB	Tone Name	PC	MSB	LSB
001	17	93	127	Real Choir	53	65	0
002	18	93	127	Boys Choir	54	66	0
003	19	93	127	Stereo Choir	53	66	0
004	20	93	127	Boys Choir Ooh	54	65	0
005	21	93	127	Spaced Vox	53	67	0

BRASS

No.	PC	MSB	LSB	Tone Name	PC	MSB	LSB
001	22	93	127	Orchestral Brass	63	65	0
002	23	93	127	Brassy Symphony	40	65	0
003	24	93	127	Valve Job	56	65	0
004	25	93	127	Fanfare	62	65	0
005	26	93	127	Soft Symphony	38	66	0
006	27	93	127	Voyager Brass	55	65	0
007	28	93	127	Massed Horns	64	65	0
008	29	93	127	Slow Dark Brass	55	66	0
009	30	93	127	French Horn Section	61	65	0
010	31	93	127	Soft Horns	61	66	0
011	32	93	127	Bright Horn	61	67	0
012	33	93	127	English Horn	70	65	0
013	34	93	127	Wood Symphony	76	66	0
014	35	93	127	Chamber Woods	77	65	0
015	36	93	127	Swell Ensemble	70	66	0
016	37	93	127	Fifes	74	67	0
017	38	93	127	Wind Wood	76	65	0
018	39	93	127	Wind Multi	77	66	0
019	40	93	127	Flute	74	66	0
020	41	93	127	Tender Flute	74	65	0
021	42	93	127	Oboe Vibrato	69	65	0
022	43	93	127	Oboe mf	69	66	0
023	44	93	127	MX Clarinet	72	65	0
024	45	93	127	Bass Clarinet	73	65	0
025	46	93	127	Clarinet mp	72	66	0
026	47	93	127	Bassoon/English Horn	71	65	0
027	48	93	127	New R&R Brass	62	66	0
028	49	93	127	Ceremonial	56	66	0
029	50	93	127	MX Trumpet	57	65	0
030	51	93	127	Cup Mute	60	65	0
031	52	93	127	Harmon Mute	60	66	0
032	53	93	127	Mellow Horn	57	66	0

033	54	93	127	Mild Trombone	58	65	0
034	55	93	127	Trombone	58	66	0
035	56	93	127	MX Tuba	59	65	0
036	57	93	127	Full Sax	68	65	0
037	58	93	127	Sax Choir	68	66	0
038	59	93	127	Breathy Sax	67	67	0
039	60	93	127	Soprano Sax mf	65	65	0
040	61	93	127	Alto Sax	66	65	0
041	62	93	127	Solo Alto Sax	66	66	0
042	63	93	127	MX DynoTenor	67	65	0
043	64	93	127	Swingin' Bari	67	66	0
044	65	93	127	Pan Pipes	78	65	0
045	66	93	127	The Andes	78	67	0
046	67	93	127	Lochscapes	78	66	0
047	68	93	127	Soprano Recorder	75	65	0
048	69	93	127	Harmo Blues	23	65	0
049	70	93	127	MX Ocarina	75	66	0

CHIMES

No.	PC	MSB	LSB	Tone Name	PC	MSB	LSB
001	71	93	127	Chime Bells	16	67	0
002	72	93	127	Tubular Bells	15	65	0
003	73	93	127	MX Glocken	10	65	0
004	74	93	127	Soft Celesta	9	65	0
005	75	93	127	Celestabox	9	66	0
006	76	93	127	Handbell	16	65	0
007	77	93	127	Belfry Chime	15	66	0
008	78	93	127	Church Bell	16	66	0
009	79	93	127	2020 Bell	10	67	0
010	80	93	127	2.2 Bell Pad	11	66	0
011	81	93	127	Stacc.Heaven	6	65	0
012	82	93	127	Morning Lite	6	66	0
013	83	93	127	Holiday Cheer	10	66	0
014	84	93	127	Music Bells	11	65	0

PERC

No.	PC	MSB	LSB	Tone Name	PC	MSB	LSB
001	85	93	127	Concert Bass Drum	123	65	0
002	86	93	127	Snare Roll	124	65	0
003	87	93	127	Orchestral Snare	125	65	0
004	88	93	127	Crash Cymbal	126	65	0
005	89	93	127	Ride Cymbal	127	65	0
006	90	93	127	Triangle	128	65	0
007	91	93	127	MX Timpani 1	48	66	*2
008	92	93	127	MX Timpani 2	48	65	*2
009	93	93	127	Timpani Roll	37	65	*2
010	94	93	127	Orchestral Percussion Set	48	67	*2
011	95	93	127	True Vibe	12	66	0
012	96	93	127	Warm Vibes	12	65	0
013	97	93	127	Ambience Vibe	12	67	0
014	98	93	127	Dyna Marimba	13	65	0
015	99	93	127	MX Xylophone	14	65	0

*2: Played only in the low-frequency range

OTHERS

No.	PC	MSB	LSB	Tone Name	PC	MSB	LSB
001	100	93	127	Harp	47	65	0
002	101	93	127	Nice Guitar	25	67	0
003	102	93	127	Nylon Guitar	25	66	0
004	103	93	127	Steel Away	26	65	0
005	104	93	127	Soft Nylon	25	65	0
006	105	93	127	Thick Steel	26	66	0
007	106	93	127	Desert Crystal	25	69	0
008	107	93	127	Jazz Guitar Hall	27	65	0
009	108	93	127	MX Acoustic Bass	33	65	0
010	109	93	127	Nylon Bass	34	65	0
011	110	93	127	MX Fretless	36	66	0
012	111	93	127	Basic Fretless	36	65	0
013	112	93	127	Pop Bass	35	65	0
014	113	93	127	Tap Bass	35	66	0
015	114	93	127	Guitar & Pad	25	68	0
016	115	93	127	Air Pad	6	67	0
017	116	93	127	Glistening	6	68	0
018	117	93	127	Soaring Horns	64	66	0
019	118	93	127	Phazweep	6	69	0

* The PC, MSB, and LSB appearing to the right of the Tone Name are the PC, MSB, and LSB used in the Quick Key Map (p. 42).

Tone List

GM (General MIDI) Tones

MSB: 121

No.	Tone Name	LSB	PC	No.	Tone Name	LSB	PC	No.	Tone Name	LSB	PC	No.	Tone Name	LSB	PC
1	Piano 1	0	1	65	Chorus Gt.	1		129	French Horns	0	61	193	Sitar	0	105
2	Piano 1w	1		66	Mid Tone GTR	2		130	Fr.Horn 2	1		194	Sitar 2	1	
3	European Pf	2		67	Muted Gt.	0	29	131	Brass 1	0	62	195	Banjo	0	106
4	Piano 2	0	2	68	Funk Pop	1		132	Brass 2	1		196	Shamisen	0	107
5	Piano 2w	1		69	Funk Gt.2	2		133	Synth Brass1	0	63	197	Koto	0	108
6	Piano 3	0	3	70	Jazz Man	3		134	Pro Brass	1		198	Taisho Koto	1	
7	Piano 3w	1		71	Overdrive Gt	0	30	135	Oct SynBrass	2		199	Kalimba	0	109
8	Honky-tonk	0	4	72	Guitar Pinch	1		136	Jump Brass	3		200	Bagpipe	0	110
9	Honky-tonk 2	1		73	DistortionGt	0	31	137	Synth Brass2	0	64	201	Fiddle	0	111
10	E.Piano 1	0	5	74	Feedback Gt.	1		138	SynBrass sfz	1		202	Shanai	0	112
11	St.Soft EP	1		75	Dist Rtm GTR	2		139	Velo Brass 1	2		203	Tinkle Bell	0	113
12	FM+SA EP	2		76	Gt.Harmonics	0	32	140	Soprano Sax	0	65	204	Agogo	0	114
13	Wurlt	3		77	Gt. Feedback	1		141	Alto Sax	0	66	205	Steel Drums	0	115
14	E.Piano 2	0	6	78	Acoustic Bs.	0	33	142	Tenor Sax	0	67	206	Woodblock	0	116
15	Detuned EP 2	1		79	Fingered Bs.	0	34	143	Baritone Sax	0	68	207	Castanets	1	
16	St.FM EP	2		80	Finger Slap	1		144	Oboe	0	69	208	Taiko	0	117
17	EP Legend	3		81	Picked Bass	0	35	145	English Horn	0	70	209	Concert BD	1	
18	EP Phase	4		82	Fretless Bs.	0	36	146	Bassoon	0	71	210	Melo. Tom 1	0	118
19	Harpsichord	0	7	83	Slap Bass 1	0	37	147	Clarinet	0	72	211	Melo. Tom 2	1	
20	Coupled Hps.	1		84	Slap Bass 2	0	38	148	Piccolo	0	73	212	Synth Drum	0	119
21	Harpst.w	2		85	Synth Bass 1	0	39	149	Flute	0	74	213	808 Tom	1	
22	Harpst.o	3		86	SynthBass101	1		150	Recorder	0	75	214	Elec Perc	2	
23	Clav.	0	8	87	Acid Bass	2		151	Pan Flute	0	76	215	Reverse Cym.	0	120
24	Pulse Clav	1		88	Clavi Bass	3		152	Bottle Blow	0	77	216	Gt.FretNoise	0	121
25	Celesta	0	9	89	Hammer	4		153	Shakuhachi	0	78	217	Gt.Cut Noise	1	
26	Glockenspiel	0	10	90	Synth Bass 2	0	40	154	Whistle	0	79	218	String Slap	2	
27	Music Box	0	11	91	Beef FM Bass	1		155	Ocarina	0	80	219	Breath Noise	0	122
28	Vibraphone	0	12	92	RubberBass 2	2		156	Square Wave	0	81	220	Fl.Key Click	1	
29	Vibraphone w	1		93	Attack Pulse	3		157	MG Square	1		221	Seashore	0	123
30	Marimba	0	13	94	Violin	0	41	158	2600 Sine	2		222	Rain	1	
31	Marimba w	1		95	Slow Violin	1		159	Saw Wave	0	82	223	Thunder	2	
32	Xylophone	0	14	96	Viola	0	42	160	OB2 Saw	1		224	Wind	3	
33	Tubular-bell	0	15	97	Cello	0	43	161	Doctor Solo	2		225	Stream	4	
34	Church Bell	1		98	Contrabass	0	44	162	Natural Lead	3		226	Bubble	5	
35	Carillon	2		99	Tremolo Str	0	45	163	SequencedSaw	4		227	Bird	0	124
36	Santur	0	16	100	PizzicatoStr	0	46	164	Syn.Calliope	0	83	228	Dog	1	
37	Organ 1	0	17	101	Harp	0	47	165	Chiffer Lead	0	84	229	Horse-Gallop	2	
38	Trem. Organ	1		102	Yang Qin	1		166	Charang	0	85	230	Bird 2	3	
39	60's Organ 1	2		103	Timpani	0	48	167	Wire Lead	1		231	Telephone 1	0	125
40	70's E.Organ	3		104	Strings	0	49	168	Solo Vox	0	86	232	Telephone 2	1	
41	Organ 2	0	18	105	Orchestra	1		169	5th Saw Wave	0	87	233	DoorCreaking	2	
42	Chorus Or.2	1		106	60s Strings	2		170	Bass & Lead	0	88	234	Door	3	
43	Perc. Organ	2		107	Slow Strings	0	50	171	Delayed Lead	1		235	Scratch	4	
44	Organ 3	0	19	108	Syn.Strings1	0	51	172	Fantasia	0	89	236	Wind Chimes	5	
45	Church Org.1	0	20	109	Syn.Strings3	1		173	Warm Pad	0	90	237	Helicopter	0	126
46	Church Org.2	1		110	Syn.Strings2	0	52	174	Sine Pad	1		238	Car-Engine	1	
47	Church Org.3	2		111	Choir Aahs	0	53	175	Polysynth	0	91	239	Car-Stop	2	
48	Reed Organ	0	21	112	Chorus Aahs	1		176	Space Voice	0	92	240	Car-Pass	3	
49	Puff Organ	1		113	Voice Oohs	0	54	177	Itopia	1		241	Car-Crash	4	
50	Accordion Fr	0	22	114	Humming	1		178	Bowed Glass	0	93	242	Siren	5	
51	Accordion It	1		115	SynVox	0	55	179	Metal Pad	0	94	243	Train	6	
52	Harmonica	0	23	116	Analog Voice	1		180	Halo Pad	0	95	244	Jetplane	7	
53	Bandoneon	0	24	117	OrchestraHit	0	56	181	Sweep Pad	0	96	245	Starship	8	
54	Nylon-str.Gt	0	25	118	Bass Hit	1		182	Ice Rain	0	97	246	Burst Noise	9	
55	Ukulele	1		119	6th Hit	2		183	Soundtrack	0	98	247	Applause	0	127
56	Nylon Gt.o	2		120	Euro Hit	3		184	Crystal	0	99	248	Laughing	1	
57	Nylon Gt.2	3		121	Trumpet	0	57	185	Syn Mallet	1		249	Screaming	2	
58	Steel-str.Gt	0	26	122	Dark Trumpet	1		186	Atmosphere	0	100	250	Punch	3	
59	12-str.Gt	1		123	Trombone	0	58	187	Brightness	0	101	251	Heart Beat	4	
60	Mandolin	2		124	Trombone 2	1		188	Goblin	0	102	252	Footsteps	5	
61	Steel + Body	3		125	Bright Tb	2		189	Echo Drops	0	103	253	Gun Shot	0	128
62	Jazz Gt.	0	27	126	Tuba	0	59	190	Echo Bell	1		254	Machine Gun	1	
63	Pedal Steel	1		127	MutedTrumpet	0	60	191	Echo Pan	2		255	LaserGun	2	
64	Clean Gt.	0	28	128	MuteTrumpet2	1		192	Star Theme	0	104	256	Explosion	3	

GS Tones

PIANO

PC	MSB	Tone Name
1	0	Piano 1
	8	Piano 1w
	16	Piano 1d
2	0	Piano 2
	8	Piano 2w
3	0	Piano 3
	8	Piano 3w
4	0	Honky-tonk
	8	HonkyTonk w
5	0	E.Piano 1
	8	Detuned EP1
	16	E.Piano 1v
	24	60s E.Piano
6	0	E.Piano 2
	8	Detuned EP2
	16	E.Piano 2v
7	0	Harpsichord
	8	Coupled Hps
	16	Harpsi.w
	24	Harpsi.o
8	0	Clav.

CHROMATIC PERCUSSION

PC	MSB	Tone Name
9	0	Celesta
10	0	Glockenspl
11	0	Music Box
12	0	Vibraphone
	8	Vib.w
13	0	Marimba
	8	Marimba w
14	0	Xylophone
15	0	Tubularbell
	8	Church Bell
	9	Carillon
16	0	Santur

ORGAN

PC	MSB	Tone Name
17	0	Organ 1
	8	Detuned Or1
	16	60's Organ1
	32	Organ 4
18	0	Organ 2
	8	Detuned Or2
	32	Organ 5
19	0	Organ 3
20	0	Church Org1
	8	Church Org2
	16	Church Org3
21	0	Reed Organ
22	0	Accordion F
	8	Accordion I
23	0	Harmonica
24	0	Bandoneon

GUITAR

PC	MSB	Tone Name
25	0	Nylon Gt.
	8	Ukulele
	16	Nylon Gt.o
	32	Nylon Gt.2
26	0	Steel Gt.
	8	12-str.Gt
	16	Mandolin
27	0	Jazz Gt.
	8	Hawaiian Gt
28	0	Clean Gt.
	8	Chorus Gt.
29	0	Muted Gt.
	8	Funk Gt.
	16	Funk Gt.2
30	0	OverdriveGt
31	0	Dist.Gt.
	8	Feedback Gt
32	0	Gt.Harmonix
	8	Gt.Feedback

BASS

PC	MSB	Tone Name
33	0	Acoustic Bs
34	0	Fingered Bs
35	0	Picked Bass
36	0	Fretless Bs
37	0	Slap Bass 1
38	0	Slap Bass 2
39	0	Syn.Bass 1
	1	Syn.Bass101
	8	Syn.Bass 3
40	0	Syn.Bass 2
	8	Syn.Bass 4
	16	Rubber Bass

STRINGS/ ORCHESTRA

PC	MSB	Tone Name
41	0	Violin
	8	Slow Violin
42	0	Viola
43	0	Cello
44	0	Contrabass
45	0	Tremolo Str
46	0	Pizzicato
47	0	Harp
48	0	Timpani

ENSEMBLE

PC	MSB	Tone Name
49	0	Strings
	8	Orchestra
50	0	SlowStrings
51	0	SynStrings1
	8	SynStrings3
52	0	SynStrings2
53	0	Choir Aahs
	32	Choir Aahs2
54	0	Voice Oohs
55	0	SynVox
56	0	Orchest.Hit

BRASS

PC	MSB	Tone Name
57	0	Trumpet
58	0	Trombone
	1	Trombone 2
59	0	Tuba
60	0	MuteTrumpet
61	0	French Horn
	1	Fr.Horn 2
62	0	Brass 1
	8	Brass 2
63	0	Syn.Brass 1
	8	Syn.Brass 3
	16	Analog Brs1
64	0	Syn.Brass 2
	8	Syn.Brass 4
	16	Analog Brs2

REED

PC	MSB	Tone Name
65	0	Soprano Sax
66	0	Alto Sax
67	0	Tenor Sax
68	0	BaritoneSax
69	0	Oboe
70	0	EnglishHorn
71	0	Bassoon
72	0	Clarinet

PIPE

PC	MSB	Tone Name
73	0	Piccolo
74	0	Flute
75	0	Recorder
76	0	Pan Flute
77	0	Bottle Blow
78	0	Shakuhachi
79	0	Whistle
80	0	Ocarina

SYNTH LEAD

PC	MSB	Tone Name
81	0	Square Wave
	1	Square
	8	Sine Wave
82	0	Saw Wave
	1	Saw
	8	Doctor Solo
83	0	SynCalliope
84	0	ChifferLead
85	0	Charang
86	0	Solo Vox
87	0	5th Saw
88	0	Bass & Lead

SYNTH PAD, etc

PC	MSB	Tone Name
89	0	Fantasia
90	0	Warm Pad
91	0	Polysynth
92	0	Space Voice
93	0	Bowed Glass
94	0	Metal Pad
95	0	Halo Pad
96	0	Sweep Pad

SYNTH SFX

PC	MSB	Tone Name
97	0	Ice Rain
98	0	Soundtrack
99	0	Crystal
	1	Syn Mallet
100	0	Atmosphere
101	0	Brightness
102	0	Goblin
103	0	Echo Drops
	1	Echo Bell
	2	Echo Pan
104	0	Star Theme

ETHNIC, etc

PC	MSB	Tone Name
105	0	Sitar
	1	Sitar 2
106	0	Banjo
107	0	Shamisen
108	0	Koto
	8	Taisho Koto
109	0	Kalimba
110	0	Bagpipe
111	0	Fiddle
112	0	Shanai

PERCUSSIVE

PC	MSB	Tone Name
113	0	Tinkle Bell
114	0	Agogo
115	0	Steel Drums
116	0	Woodblock
	8	Castanets
117	0	Taiko
	8	Concert BD
118	0	Melo. Tom 1
	8	Melo. Tom 2
119	0	Synth Drum
	8	808 Tom
	9	Elec Perc
120	0	Reverse Cym

SFX

PC	MSB	Tone Name
121	0	Gt.FretNoiz
	1	Gt.CutNoise
	2	String Slap
122	0	BreathNoise
	1	Fl.KeyClick
123	0	Seashore
	1	Rain
	2	Thunder
	3	Wind
	4	Stream
	5	Bubble
124	0	Bird
	1	Dog
	2	HorseGallop
	3	Bird 2
125	0	Telephone 1
	1	Telephone 2
	2	Creaking
	3	Door
	4	Scratch
	5	Wind Chimes
126	0	Helicopter
	1	Car-Engine
	2	Car-Stop
	3	Car-Pass
	4	Car-Crash
	5	Siren
	6	Train
	7	Jetplane
	8	Starship
	9	Burst Noise
127	0	Applause
	1	Laughing
	2	Screaming
	3	Punch
	4	Heart Beat
	5	Footsteps
128	0	Gun Shot
	1	Machine Gun
	2	LaserGun
	3	Explosion

Tone List

Other Tones

PST-A

MSB: 87, LSB: 64

PC	Tone Name	PC	Tone Name
1	Grand XV	65	Warm Vibes
2	RockPiano Ch	66	Dyna Marimba
3	Contemplate	67	Ambient Wood
4	Hall Grand	68	Nomad Perc
5	64voicePiano	69	Exotic Velo
6	Power Grand	70	Islands Mlt
7	E. Grand	71	Steel Drums
8	RD-1000	72	Soft Perky
9	MIDled Grand	73	Soft B
10	SparklePiano	74	Gospel Spin
11	Warm pF Mix	75	Rocker Org
12	PianoStrings	76	Velvet Organ
13	Y2K Concerto	77	Rocker Spin
14	Piano+SftPad	78	Full Stops
15	R&Ballad Mix	79	Ballad B
16	West Coast	80	Mellow Bars
17	Hit Rhodes	81	Soap Opera
18	Full Rhodes	82	AugerMentive
19	Player's EP	83	Perky B
20	Retro Rhodes	84	Klubb Organ
21	Fat Rhodes	85	Drew's Bee
22	PingE Piano	86	Purple Spin
23	Rholitzer	87	Surf's Up!
24	Dig Rhodes	88	96 Years
25	Delicate EP	89	Glory Us Rok
26	Rhodes Mix	90	D-50 Organ
27	D-50 Rhodes	91	Cathedral
28	FM BellPiano	92	Church Harmin
29	FM Delight	93	Wedding Mass
30	Ring E. Piano	94	XV Accordion
31	XV Crystal	95	Harmo Blues
32	Rhodes Trem	96	Nylon Gtr
33	Waterhodes	97	Soft Nylon
34	PsychoRhodes	98	Steel Away
35	MK-80 Phaser	99	SteelRelease
36	SmoothRhodes	100	Thick Steel
37	EP+Mod Pad	101	XV Steel Gtr
38	Mr. Mellow	102	Comp Steel
39	Wurlie	103	12str Guitar
40	PureSineKey	104	Nylozzicato
41	Dreams Sine	105	SpanishNight
42	Cutter Clav	106	Hybrid Nylon
43	Funky D6	107	DesertCrystl
44	Phaze Clav	108	Two+Ensemble
45	Nasty Clav	109	Clear Guitar
46	Velo-Rez Clv	110	Jz Gtr Hall
47	Analog Clav	111	LetterFrmPat
48	St.Harpsichd	112	JC Strat
49	Square Keys	113	Twin Strats
50	D-50 Stack	114	Plug n' Play
51	Stacc.Heaven	115	Swell Strat
52	Heavenals	116	Fab 4 Guitar
53	Morning Lite	117	Muted Gtr
54	HolidayCheer	118	Velo-Wah Gtr
55	Prefab Chime	119	Tube Smoke
56	2020 Bell	120	Creamy
57	2.2 Bell Pad	121	Blusey OD
58	Tria Bells	122	Crying Solo
59	Music Bells	123	Feed Me!
60	Childlike	124	RockYurSocks
61	Celestabox	125	Searing Lead
62	Chime Bells	126	Loud Lead
63	Belfry Chime	127	OD 5ths
64	True Vibe	128	Crunch Split

PST-B

MSB: 87, LSB: 65

PC	Tone Name	PC	Tone Name
1	Rezodrive	65	Marcato
2	Hurtin'Tubes	66	String Ens
3	R&R Chunk	67	Marcato Str
4	Power Trip	68	Fat Strings
5	Pick Bass	69	UltraSmooth
6	Hip Bass	70	HybStringsXV
7	Homey Bass	71	ViolinCello
8	Tap Bass	72	Lead 4x Vlns
9	Pop Bass	73	ChmbrQuartet
10	TremCho Bs	74	FullChmbrStr
11	Nylon Bass	75	Film Octaves
12	XV Upright	76	Bass Pizz
13	XV Ac.Bass	77	JP-8 Str 1
14	XV Fretless	78	JP-8 Str 2
15	Basic F'less	79	Deep Strings
16	8-str F'less	80	Hold A Chord
17	LookMaNoFret	81	Tape Strings
18	Slap Bass 1	82	Symphonique
19	Slap Bass 2	83	Full Orchest
20	Slap Bass 3	84	My Orchestra
21	Sub Zero	85	Soft Symphny
22	SinusoidRave	86	Henry VIII
23	808 SynBass	87	Wood Symphny
24	Acid TB	88	Prelude
25	MC-TB Bass	89	TudorFanfare
26	TB Tra Bass	90	Brassy Symph
27	Cyber SynBs	91	4 Hits 4 You
28	2020 Reso Bs	92	Impact
29	Now Bass	93	Phase Hit
30	D9 Trcker	94	Tekno Hit
31	West End Bs	95	Reel Slam
32	TB Squelch	96	OffTheRecord
33	Detune Bass	97	3rdTeenChrd
34	FatPolyBass	98	Auto Chord
35	GarageBass	99	MOVE!
36	2020 OrgBs	100	Oboe mf
37	2020 JunoBs	101	Clarinet mp
38	Comp Bass	102	SwellEnsembl
39	2020 Bass 1	103	ChamberWoods
40	2020 Bass 2	104	Flute/Clari
41	StabSawBass	105	Wind Wood
42	2020 SquBs	106	Flute
43	Square Bass	107	Jazzier Flute
44	SQR+Sub Bs	108	VOX Flute
45	2020 Pls Bs	109	Pan Pipes
46	Grounded Bs	110	LegatoBamboo
47	2pole Bass	111	The Andes
48	4pole Bass	112	Deja Vlute
49	House Bass	113	Majestic Tpt
50	Bass Trap	114	Ballad Trump
51	Bass In Face	115	Mute TP mod
52	Ticker Bass	116	Harmon Mute
53	Klack Bass	117	Tpt Sect
54	Hugo Bass	118	NewR&RBrass
55	Mg Bass	119	Simply Brass
56	New Acid Grv	120	Valve Job
57	8VCO MonoSyn	121	Tower Trumps
58	Wonder Bass	122	BigBrassBand
59	S-Tone+SYNBS	123	Biggie Brass
60	Booty Bass	124	Lil'BigHornz
61	XV Strings	125	Sm.Brass Grp
62	St.Strings	126	Trombone
63	Dolce p/m/f	127	Trombone Atm
64	Sad Strings	128	Massed Horns

PST-C MSB: 87, LSB: 66

PC	Tone Name	PC	Tone Name
1	Voyager Brs	65	Velo Tekno
2	3 Osc Brass	66	Rezoid
3	Poly Brass	67	Booster Bips
4	Brass It!	68	Mental Chord
5	Archimede	69	House Chord
6	Breathy Brs	70	GenderBender
7	Triumph Brs	71	MinorIncident
8	P5 Polymod	72	Winky
9	FatSynBrass	73	Dance Zipper
10	True ANALOG	74	5ths in 4ths
11	Afro Horns	75	Ambi Voices
12	Sop.Sax mf	76	Intentions
13	Solo SoprSax	77	Pick It
14	Alto Sax	78	Analog Seq
15	Solo AltoSax	79	Sequalog
16	XV DynoTenor	80	Plik-Plok
17	Honker Bari	81	Big BPF
18	Sax Choir	82	Agent X
19	Full Saxz	83	Keep :-)
20	Swingin'Bari	84	Saw n' 202
21	P5_TB	85	RageInYouth
22	Soaring Saws	86	Happy Brass
23	FXM Saw Lead	87	LFO Trance
24	BOG	88	Syncrosinx
25	Square Roots	89	GermanBounce
26	Old School	90	Trance Fair
27	Retro Lead	91	Cyber Pad
28	Loud SynLead	92	S&H Pad
29	PortaSynLd	93	PressureDome
30	OSC Sync2020	94	Pulsatronic
31	Talking Box	95	Cyber Dreams
32	Blistering	96	Alive
33	MG Interval	97	Trancing Pad
34	Analog Lead	98	Acid JaZZ
35	5th Lead	99	Alternative
36	Classy Pulse	100	Acid Line
37	TubbyTriangl	101	Raggatronic
38	Square Lead	102	Temple of JV
39	2020SquLead	103	Blades
40	Creamer	104	Foiled Again
41	Belly Lead	105	Planet Asia
42	Flyin' High	106	Afterlife
43	SH-2000	107	Cultivate
44	Soft Tooth	108	Paz <=> Zap
45	Sine Lead	109	Strobe Mode
46	Smoothe	110	Albion
47	Basic Mg	111	Running Pad
48	LegatoJupitr	112	Rippling
49	Soaring Sqr	113	Random Pad
50	Soaring Sync	114	SoundtrkDANC
51	Nasal Spray	115	Flying Waltz
52	Soft Lead	116	Phazweep
53	House Piano	117	Mad Bender
54	Techno Dream	118	X-mod Reso
55	Organizer	119	Shapeshifter
56	Auto TB-303	120	Glistening
57	Dist TB-303	121	Atmospherics
58	Resojuice	122	Vektogram
59	B'on d'moov	123	Feedback VOX
60	Con Sequence	124	Helium Queen
61	Technoheadz	125	Holographix
62	Phunky DC	126	Shattered
63	Shortrave	127	Pure Tibet
64	Cross Fire	128	X-Tension

PST-D MSB: 87, LSB: 67

PC	Tone Name	PC	Tone Name
1	Dark Side	65	Dimensional
2	Dunes	66	Jupiterings
3	The Beast	67	3D Flanged
4	Ocean Floor	68	Glassy Pad
5	Cyber Space	69	2.2 Strings
6	Nexus	70	Moving Glass
7	ForestMoon	71	ShiftedGlass
8	Planet Meta	72	Heirborne
9	Predator 2	73	Translucence
10	Flashback	74	Darkshine
11	JUNO Keys	75	Shiny Pad
12	Poly Key	76	Analog Drama
13	Poly Saws	77	BandPass Mod
14	Dual Profs	78	Air Pad
15	Saw Mass	79	Soundtraque
16	Streamer	80	Octapad
17	Soft Puff	81	Fat Pad
18	Dreams East	82	GR700 Pad
19	Sugar Key	83	Rotary Pad
20	D50FantaPerc	84	Dawn 2 Dusk
21	Galactic	85	Aurora
22	Pulse Key	86	Morph Pad
23	Wire Pad	87	Sun Dive
24	Waspy Pulse	88	Sabbath Day
25	Glider	89	OvertoneScan
26	80s Retrosyn	90	December Sky
27	Powerwigggle	91	NothmLights
28	Trance Saws1	92	Vocals: Boys
29	Trance Saws2	93	St. Choir
30	Don't Jump	94	Vocals: Ooh
31	AirSoThin	95	Pvox Oooze
32	Silicon Str	96	RandomVowels
33	PWM Strings	97	Brite Vox
34	Vintage Orch	98	Beauty Vox
35	106 Strings	99	Longing...
36	Modular Life	100	Enlighten
37	2020 Digital	101	Arsian Morn
38	Oscillations	102	Dark Vox
39	Greek Power	103	Belltree Vox
40	Soaring Hms	104	Spaced Voxx
41	Rolling 5ths	105	Glass Voices
42	Spectre	106	Doos
43	Glass Orbit	107	Wavox
44	Hush Pad	108	Sitar
45	Pivotal Pad	109	Dulcimer
46	Spectre Vox	110	Dulcitar
47	Digital Vox	111	Drone Split
48	Stringsheen	112	MountainFolk
49	Combing	113	EastrnEurope
50	5th Sweep	114	Harp
51	MG Sweep	115	VelHarp)Harm
52	Hydrogen	116	Celtic Harp
53	BPFsweep Mod	117	AmbiPizza
54	Mod DirtyWav	118	CheesyPluk 1
55	X-mod Sweep	119	CheesyPluk 2
56	Silky Way	120	Taj Mahal
57	Gluey Pad	121	Cairo lead
58	Dreamesque	122	Lochscapes
59	Analogue Str	123	Celtic Song
60	JX SqrCarpet	124	Far East
61	Pulsify	125	Slap Timps
62	JP-8Haunting	126	Tape Q
63	Earth Blow	127	Gruvacious
64	Jet Pad	128	Blue Notes

Rhythm Set List

Organ/Orchestral Group

Preset Group

Note No.	r01 (PC: 1) MX ORCHESTRA	r02 (PC: 2) MX GS ASSIGN	r03 (PC: 3) MX MANUAL PERCUSSION	r04 (PC: 1) XV R&B KIT	r05 (PC: 2) XV HOUSE KIT
27		Close HiHat2			
28		Pedal HiHat2		Dance Kick	House Kick 6
29		Open HiHat2		Dry Kick	House Kick 5
30		Ride Cymbal		R&B SN Roll	House CIHH 3
31		SticksSide		Hybrid Kick1	House Kick 4
32		R8 Click		R&B SN Ghost	Reso Stick
33		Metronome 2		Round Kick	House Kick 3
34	BD Roll	Metronome 1		R&B PdHH	House OpHH 2
35	Concert BD 1	Concert BD		R&B Kick 2	House Kick 2
36	OrchSnr Roll	ConcertBD Mt	MalletCymbal	R&B Kick 1	House Kick 1
37	Orch Snr	Side Stick	Orch Snr	R&B Stick	House Stick
38	Gong	Concert Snr	OrchSnr Roll	R&B SN 1	House SN 1
39	Tam Tam	Castanets	Concert BD 1	Snare Ghost	House Claps1
40	Grongkas	Concert Snr	Crash Cymbal	R&B SN 2	House SN 2
41	Timpani 2	Timpani	Gong	R&B Tom L	House NzTomL
42	Timpani 2	Timpani	Open Triangl	R&B CIHH 1	House CIHH 1
43	Timpani 2	Timpani		Rock Flm L	808 Tom L
44	Timpani 2	Timpani		R&B CIHH 2	House CIHH 2
45	Timpani 2	Timpani		R&B Tom M	House NzTomM
46	Timpani 2	Timpani		R&B OpHH	House OpHH 1
47	Timpani 2	Timpani		Rock Flm M	808 Tom M
48	Timpani 2	Timpani		R&B Tom H	House NzTomH
49	Timpani 2	Timpani		R&B CrCym1	House CrCym
50	Timpani 2	Timpani		Rock Flm H	808 Tom H
51	Timpani 2	Timpani		Rock RdCym1	House FbkCym
52	Timpani 2	Timpani		R&B CrCym2	House SN 3
53	Timpani 2	Timpani		Rock RdCym2	House FSnap
54	Crash Cymbal	Tambourine		Tambourine	House CIHH 4
55	Cymbal Hit	Splash Cym		Rock CrCym	House Cowbel
56	MalletCymbal	Cowbell		Cowbell Lo	House CIHH 5
57	CymbalScrape	Con.Cymbal2		Crash	House WBlock
58	OrchestraHit	Vibraslap		Cowbell Hi	House OpHH 3
59	Orch Hit f	Concert Cym		Ride Bell	House Claps2
60	Orch Hit Maj	Bongo High		Bongo Hi	House Cabasa
61	Orch Hit Min	Bongo Low		Bongo Lo	House WCrak
62	OrchPrc Hit	Mute H.Conga		Cga Mute Hi	House VoxNz
63	Perc Hit 2	Conga Hi Opn		Cga Open Hi	House Kick 7
64	Finger Cym 2	Conga Lo Opn		Cga Open Lo	Timpani
65	Wind Chime 2	High Timbale		Timbale Hi	House Bird
66	JingleBell 2	Low Timbale		Timbale Lo	House Gun 1
67	Sleigh Bell	Agogo High		R&B AgBel1	House FBell
68	Church Bells	Agogo Low		R&B AgBel2	House Rattle
69	Mute Triangl	Cabasa		R&B AgBel3	House RvOHit
70	Open Triangl	Maracas		Maracas	House Noize1
71	TunedBlockHi	ShortWhistle		606 Cl HiHat	House Noize2
72	TunedBlockLo	Long Whistle		606 Cl HiHat	House BongoL
73	Tambourine	Short Guiro		606 Op HiHat	House BongoH
74	Castanets 1	Long Guiro		Long Guiro	House Tambrn
75	Castanets 2	Claves		Claves	House Heart
76	Slapstick	Woodblock H		Wood BlockHi	House CgaSip
77	Ratchet	Woodblock L		Wood BlockLo	House CgMute
78	Perc Hit 1	Mute Cuica		R&B Pizz	House Tri
79	Timp Roll p	Open Cuica		R&B Gamelan	House Vibra
80	Timp Roll f	MuteTriangl		Mute Triangl	House FXLoop
81	F.Horn Rip	OpenTriangl		Open Triangl	House Aplase
82	Harp Maj Up	ShakerCabasa		R&B Thrill L	House Chord
83	Harp Maj Dwn	Jingle Bell		R&B Thrill H	House OrcHit
84	TubularBells	Bell Tree		808 SN	House Spectr
85	TubularBells	Castanets		R&B WoodBik	House Train
86	TubularBells	Mute Surdo		R&B Cga Slap	House StrSip
87	TubularBells	Open Surdo		Dry Tom L	House Crunch
88	TubularBells	Applause		Lite Kick	House Tel
89	TubularBells			Hybrid Kick2	House Bubble
90	TubularBells			Old Kick	Bird
91	TubularBells			Pop Voice	House Gun 2
92	TubularBells			Wind Agogo	House Metro
93	TubularBells			OpHH FX 1	House BakHit
94	TubularBells			Anklungs	House TekHit
95	TubularBells			OpHH FX 2	House SNRoll
96	Applause			Metronome 2	House Loop
97	Metronome 2			R8 Click	R8 Click
98	R8 Click			Metronome 1	Metronome
99	Metronome 1			R&B HClaps	Hand Claps
100				Scratch 1	House Tom L
101				Scratch 2	House Tom M
102				Scratch 3	House Rim
103				Syn FX Loop	House Tom H

MSB: 92
LSB: 127

MSB: 92
LSB: 127

MSB: 92
LSB: 127

MSB: 86
LSB: 64

MSB: 86
LSB: 64

Rhythm Set List

Preset Group

Note No.	r06 (PC: 3) XV TECHNO KIT	r07 (PC: 4) XV POP KIT	r08 (PC: 1) XV ROCK KIT	r09 (PC: 2) XV JAZZ KIT	r10 (PC: 3) XV RUST KIT	r11 (PC: 4) XV ORCHESTRA KIT
27	TechnoKick 6	Dance Kick	Dance Kick	JazzDry Kick	70s Kick 3	Old Kick
28	TechnoKick 5	Dry Kick	Round Kick	Pillow Kick	Old Kick	Round Kick
29	TechnoCIHH 4	Rock Roll	Rock Roll	Jazz Swish	Rock Roll	SN Roll
30	TechnoKick 4	Hybrid Kick1	Jazz Kick	Hybrid Kick	909 Kick 2	Jazz Kick
31	TechnoSNGHst	Snare Ghost	Rock Ghost	Snare Ghost	Rock Ghost	Snare Ghost
32	TechnoKick 3	Round Kick	Verb Kick	MplLmtr Kick	909 Kick 1	Verb Kick
33	TechnoCIHH 3	Rock PdHH	Rock PdHH	Jazz PdHH	Rock PdHH	Pedal HiHat1
34	TechnoKick 2	Hybrid Kick2	Maple Kick	JazzDry Kick	808Kick Long	Concert BD 2
35	TechnoKick 1	Old Kick	Rock Kick	Jazz Kick	Dance Kick 1	Concert BD 1
36	TechnoStick	Side Stick	RockStick	SideStick	RockStick	Side Stick
37	TechnoSN 1	Wet SN	Rock SN 1	Jz SN w/Ghst	Old Fill SN	Concert SN
38	808 Clap	Snare Ghost	Rock Ghost	Jazz SN Ghst	Rock Ghost	Snare Ghost
39	TechnoSN 2	AmbientSN	Rock SN 2	Jz SN w/Rim	Rock SN	Snare Roll
40	TechnoTom1 L	Maple Tom L	Rock Tom L	Jazz Tom L	Elec.Tom L2	Timpani
41	TechnoCIHH 1	Rock CIHH 1	Rock CIHH 1	Jazz Pedel	Rock CIHH1	Timpani
42	TechnoTom2 L	Rock Flm L	Rock Flm L	Jazz Flm L	Elec.Tom L1	Timpani
43	TechnoCIHH 2	Rock CIHH 2	Rock CIHH 2	Jazz CIHH	Rock CIHH2	Timpani
44	TechnoTom1 M	Maple Tom M	Rock Tom M	Jazz Tom M	Elec.Tom M	Timpani
45	TechnoOpHH	Rock OpHH	Rock OpHH	Jazz OpHH	Rock OpHH	Timpani
46	TechnoTom2 M	Rock Flm M	Rock Flm M	Jazz Flm M	Elec.Tom M	Timpani
47	TechnoTom1 H	Maple Tom H	Rock Tom H	Jazz Tom H	Elec.Tom H	Timpani
48	TechnoCrCym	Crash Cymbal	Rock CrCym1	Jazz CrCym	Rock CrCym1	Timpani
49	TechnoTom2 H	Rock Flm H	Rock Flm H	Jazz Flm H	Elec.Tom H	Timpani
50	TechnoCym	Rock RdCym1	Rock RdCym1	Jazz RdCym	Rock RdCym1	Timpani
51	TechnoRvSNRI	Crash 1	Rock China	Rock RdCym1	Rock CrCym2	Timpani
52	808 Crash	Rock RdCym2	Rock RdCym2	Rock RdCym2	Rock RdCym2	Timpani
53	TechnoBrSlap	Tambourine	Tambourine	Tambourine	Tambourine 1	Tambourine 1
54	TechnoNzStik	Rock CrCym	Rock CrCym2	Crash 1	Rock Splash	Crash 1
55	TechnoCIHH 5	Cowbell Lo	Cowbell Lo	Cowbell Lo	Cowbell	Cowbell
56	TechnoSNRoll	Crash 2	Crash	Crash 2	China Cym	Crash 2
57	TechnoRvJzRI	Cowbell Hi	Cowbell Hi	Cowbell Hi	Vibraslap	Ride 1
58	TechnoSiren	Ride Bell	Ride Bell	Ride Bell	70s Kick 2	Ride 2
59	TechnoLoop	Cga Mute Hi	Cga Mute Hi	Cga Mute Hi	70s Kick 1	Bongo Hi
60	TechnoLoNz	Cga Mute Lo	Cga Mute Lo	Cga Mute Lo	Dry Stick	Bongo Lo
61	TechnoRdCym	Cga Slap	Cga Slap	Cga Slap	70s SN	Cga Mute Hi
62	TechnoCowbel	Cga Open Hi	Cga Open Hi	Cga Open Hi	Finger Snaps	Cga Open Hi
63	TechnoTel	Cga Open Lo	Cga Open Lo	Cga Open Lo	HumanClapsEQ	Cga Open Lo
64	TechnoTimpni	Timbale Hi	Timbale Hi	Timbale Hi	JD Cowbell	Timbale Hi
65	TechnoCIHH 6	Timbale Lo	Timbale Lo	Timbale Lo	70s Cl HiHat	Timbale Lo
66	TechnoRvOHt	AgogoBellsHi	AgogoBellsHi	AgogoBellsHi	AgogoBells	AgogoBellsHi
67	TechnoRvTHt	AgogoBellsLo	AgogoBellsLo	AgogoBellsLo	70s Cl HiHat	AgogoBellsLo
68	TechnoRvBHt1	Cabasa Up	Cabasa Up	Cabasa Up	909 NZ HiHat	Cabasa Up
69	TechnoRvBHt2	Maracas	Maracas	Maracas	70s Op HiHat	Maracas
70	TechnoWBlock	ShortWhistle	ShortWhistle	ShortWhistle	Cabasa Up	ShortWhistle
71	TechnoKick 7	Long Whistle	Long Whistle	Long Whistle	Long Whistle	Long Whistle
72	TechnoCIHH 7	Short Guiro	Short Guiro	Short Guiro	REV RkOpHH f	Short Guiro
73	TechnoRim 1	Long Guiro	Long Guiro	Long Guiro	Tambourine 2	Long Guiro
74	TechnoRim 2	Claves	Claves	Claves	REV JzOpHH f	Claves
75	TechnoBrRoll	WoodBlock Hi	WoodBlock Hi	WoodBlock Hi	Scratch	WoodBlock Hi
76	TechnoLcRain	WoodBlock Lo	WoodBlock Lo	WoodBlock Lo	Mute Triangl	WoodBlock Lo
77	TechnoThrill	Mute Cuica	Mute Cuica	Mute Cuica	909 Cl HiHat	Cuica Hi
78	TechnoSN 3	Open Cuica	Open Cuica	Open Cuica	Open Triangl	Cuica Lo
79	TechnoWCrak	Mute Triangl	Mute Triangl	Mute Triangl	909 Cl HiHat	Mute Triangl
80	TechnoScrach	Open Triangl	Open Triangl	Open Triangl	Cabasa	Open Triangl
81	TechnoBNz	Cabasa Cut	Cabasa Cut	Cabasa Cut	909 Op HiHat	Cabasa Cut
82	TechnoSN 4	Spectrum	Spectrum	Spectrum	Spectrum	Spectrum
83	TechnoPunch	Wind Chimes	Wind Chimes	Wind Chimes	Maple Kick	Wind Chimes
84	TechnoPlink	Wood Block	Wood Block	Wood Block	Woody Stick	Wood Block
85	TechnoRvRoll	Mute Surdo	Mute Surdo	Mute Surdo	Maple SN	Cga Slap
86	TechnoOSC	Open Surdo	Open Surdo	Open Surdo	SN Roll	Dry Tom Lo
87	TechnoNz 1	Lite Kick	Lite Kick	Lite Kick	Maple Tom	Applause
88	TechnoTkHit	Hybrid Kick3	Hybrid Kick	Hybrid Kick	909 Kick 1	Hybrid Kick2
89	TechnoBubble	Old Kick	Old Kick	Old Kick	Old Kick	Cl HiHat
90	TechnoNz 2	Pop Voice	Pop Voice	Pop Voice	808Kick Shrt	Round Kick
91	TechnoNz 3	Wind Agogo	Wind Agogo	Wind Agogo	909 SN 2	Pedal HiHat2
92	TechnoNz 4	OpHH FX 1	OpHH FX 1	OpHH FX 1	909 SN 1	Natural SN
93	TechnoPwChrd	Anklungs	Anklungs	Anklungs	808 SN	Op HiHat
94	TechnoBckHit	OpHH FX 2	OpHH FX 2	OpHH FX 2	Dance Kick 2	Brush Slap
95	TechnoNz 5	Metronome 2	Metronome 2	Metronome 2	REV Timpani	Brush Swish
96	R8 Click	R8 Click	R8 Click	R8 Click	R8 Click	Brush Roll
97	TechnoNz 6	Metronome 1	Metronome 1	Metronome 1	Metronome	SN Roll
98	Hand Claps	Hand Claps	Hand Claps	Hand Claps	808 Claps	Orch Cymbal
99	TechnoKick 8	Rock CrCym	Rock CrCym1	Jazz CrCym	Rock CrCym2	Cabasa Cut
100	TechnoKick 9	Rock RdCym2	Rock China	Crash 2	Rock Splash	Claves
101	TechnoSN 5	Cowbell Lo	Rock RdCym2	Rock RdCym2	Rock RdCym2	Tambourine 2
102	TechnoCIHH 8	Crash 1	Crash	Crash 1	Rock CrCym1	Orch. Hit
103						

MSB: 86
LSB: 64

MSB: 86
LSB: 64

MSB: 86
LSB: 65

MSB: 86
LSB: 65

MSB: 86
LSB: 65

MSB: 86
LSB: 65

Rhythm Set List

GM2/GS Group

Note No.	r12 (PC: 1) GM2 STANDARD	r13 (PC: 1) GS STANDARD	r14 (PC: 9) GM2 ROOM	r15 (PC: 9) GS ROOM	r16 (PC: 17) GM2 POWER	r17 (PC: 17) GS POWER
27	High-Q	High Q	High-Q	High Q	High-Q	High Q
28	Slap	Slap	Slap	Slap	Slap	Slap
29	ScratchPush	Scratch Push	ScratchPush	Scratch Push	ScratchPush	Scratch Push
30	ScratchPull	Scratch Pull	ScratchPull	Scratch Pull	ScratchPull	Scratch Pull
31	Sticks	Sticks	Sticks	Sticks	Sticks	Sticks
32	SquareClick	Square Click	SquareClick	Square Click	SquareClick	Square Click
33	Mtrnm.Click	Metronome Click	Mtrnm.Click	Metronome Click	Mtrnm.Click	Metronome Click
34	Mtrnm. Bell	Metronome Bell	Mtrnm. Bell	Metronome Bell	Mtrnm. Bell	Metronome Bell
35	Mix Kick	Kick Drum2	Mix Kick	Kick Drum2	Mix Kick	Kick Drum2
C2 36	Standard KK1	Kick Drum1	Standard KK1	Kick Drum1	Power Kick1	MONDO Kick
37	Side Stick	Side Stick	Side Stick	Side Stick	Side Stick	Side Stick
38	Standard SN1	Snare Drum1	Standard SN1	Snare Drum1	Dance Snare1	Gated SD
39	909 HandClap	Hand Clap	909 HandClap	Hand Clap	909 HandClap	Hand Clap
40	Elec Snare 3	Snare Drum2	Elec Snare 3	Snare Drum2	Elec Snare 3	Snare Drum2
41	Real Tom 6	Low Tom2	Room Tom 5	Room Low Tom2	Rock Tom 4	Room Low Tom2
42	Close HiHat2	Closed Hi-hat	Close HiHat2	Closed Hi-hat	Close HiHat2	Closed Hi-hat
43	Real Tom 6	Low Tom1	Room Tom 5	Room Low Tom1	Rock Tom 4	Room Low Tom1
44	Pedal HiHat2	Pedal Hi-hat	Pedal HiHat2	Pedal Hi-hat	Pedal HiHat2	Pedal Hi-hat
45	Real Tom 4	Mid Tom2	Room Tom 2	Room Mid Tom2	Rock Tom 4	Room Mid Tom2
46	Open HiHat2	Open Hi-hat	Open HiHat2	Open Hi-hat	Open HiHat2	Open Hi-hat
47	Real Tom 4	Mid Tom1	Room Tom 2	Room Mid Tom1	Rock Tom 4	Room Mid Tom1
C3 48	Real Tom 1	High Tom2	Room Tom 2	Room Hi Tom2	Rock Tom 1	Room Hi Tom2
49	Crash Cym.1	Crash Cymbal1	Crash Cym.1	Crash Cymbal1	Crash Cym.1	Crash Cymbal1
50	Real Tom 1	High Tom1	Room Tom 2	Room Hi Tom1	Rock Tom 1	Room Hi Tom1
51	Ride Cymbal	Ride Cymbal1	Ride Cymbal	Ride Cymbal1	Ride Cymbal	Ride Cymbal1
52	ChinaCymbal	Chinese Cymbal	ChinaCymbal	Chinese Cymbal	ChinaCymbal	Chinese Cymbal
53	Ride Bell	Ride Bell	Ride Bell	Ride Bell	Ride Bell	Ride Bell
54	Tambourine	Tambourine	Tambourine	Tambourine	Tambourine	Tambourine
55	Splash Cym.	Splash Cymbal	Splash Cym.	Splash Cymbal	Splash Cym.	Splash Cymbal
56	Cowbell	Cowbell	Cowbell	Cowbell	Cowbell	Cowbell
57	Crash Cym.2	Crash Cymbal2	Crash Cym.2	Crash Cymbal2	Crash Cym.2	Crash Cymbal2
58	Vibraslap	Vibra-slap	Vibraslap	Vibra-slap	Vibraslap	Vibra-slap
59	Ride Cymbal	Ride Cymbal2	Ride Cymbal	Ride Cymbal2	Ride Cymbal	Ride Cymbal2
C4 60	Bongo High	High Bongo	Bongo High	High Bongo	Bongo High	High Bongo
61	Bongo Lo	Low Bongo	Bongo Lo	Low Bongo	Bongo Lo	Low Bongo
62	Mute H.Conga	Mute High Conga	Mute H.Conga	Mute High Conga	Mute H.Conga	Mute High Conga
63	Conga Hi Opn	Open High Conga	Conga Hi Opn	Open High Conga	Conga Hi Opn	Open High Conga
64	Conga Lo Opn	Low Conga	Conga Lo Opn	Low Conga	Conga Lo Opn	Low Conga
65	High Timbale	High Timbale	High Timbale	High Timbale	High Timbale	High Timbale
66	Low Timbale	Low Timbale	Low Timbale	Low Timbale	Low Timbale	Low Timbale
67	Agogo	High Agogo	Agogo	High Agogo	Agogo	High Agogo
68	Agogo	Low Agogo	Agogo	Low Agogo	Agogo	Low Agogo
69	Cabasa	Cabasa	Cabasa	Cabasa	Cabasa	Cabasa
70	Maracas	Maracas	Maracas	Maracas	Maracas	Maracas
71	ShrtWhistle	Short Hi Whistle	ShrtWhistle	Short Hi Whistle	ShrtWhistle	Short Hi Whistle
C5 72	LongWhistle	Long Low Whistle	LongWhistle	Long Low Whistle	LongWhistle	Long Low Whistle
73	Short Guiro	Short Guiro	Short Guiro	Short Guiro	Short Guiro	Short Guiro
74	Long Guiro	Long Guiro	Long Guiro	Long Guiro	Long Guiro	Long Guiro
75	Claves	Claves	Claves	Claves	Claves	Claves
76	Woodblock	High Wood Block	Woodblock	High Wood Block	Woodblock	High Wood Block
77	Woodblock	Low Wood Block	Woodblock	Low Wood Block	Woodblock	Low Wood Block
78	Mute Cuica	Mute Cuica	Mute Cuica	Mute Cuica	Mute Cuica	Mute Cuica
79	Open Cuica	Open Cuica	Open Cuica	Open Cuica	Open Cuica	Open Cuica
80	MuteTriangl	Mute Triangle	MuteTriangl	Mute Triangle	MuteTriangl	Mute Triangle
81	OpenTriangl	Open Triangle	OpenTriangl	Open Triangle	OpenTriangl	Open Triangle
82	Shaker	Shaker	Shaker	Shaker	Shaker	Shaker
83	Jingle Bell	Jingle Bell	Jingle Bell	Jingle Bell	Jingle Bell	Jingle Bell
C6 84	Bell Tree	Bell Tree	Bell Tree	Bell Tree	Bell Tree	Bell Tree
85	Castanets	Castanets	Castanets	Castanets	Castanets	Castanets
86	Mute Surdo	Mute Surdo	Mute Surdo	Mute Surdo	Mute Surdo	Mute Surdo
87	Open Surdo	Open Surdo	Open Surdo	Open Surdo	Open Surdo	Open Surdo
88	----	----	----	----	----	----
	MSB: 120 LSB: 0	MSB: 86 LSB: 127	MSB: 120 LSB: 0	MSB: 86 LSB: 127	MSB: 120 LSB: 0	MSB: 86 LSB: 127

Rhythm Set List

GM2/GS Group

Note No.	r18 (PC: 25) GM2 ELECTRIC	r19 (PC: 25) GS ELECTRONIC	r20 (PC: 26) GM2 ANALOG	r21 (PC: 26) GS TR-808	r22 (PC: 33) GM2 JAZZ	r23 (PC: 33) GS JAZZ
27	High-Q	High Q	High-Q	High Q	High-Q	High Q
28	Slap	Slap	Slap	Slap	Slap	Slap
29	ScratchPush	Scratch Push	ScratchPush	Scratch Push	ScratchPush	Scratch Push
30	ScratchPull	Scratch Pull	ScratchPull	Scratch Pull	ScratchPull	Scratch Pull
31	Sticks	Sticks	Sticks	Sticks	Sticks	Sticks
32	SquareClick	Square Click	SquareClick	Square Click	SquareClick	Square Click
33	Mtrnm.Click	Metronome Click	Mtrnm.Click	Metronome Click	Mtrnm.Click	Metronome Click
34	Mtrnm. Bell	Metronome Bell	Mtrnm. Bell	Metronome Bell	Mtrnm. Bell	Metronome Bell
35	Mix Kick	Kick Drum2	Mix Kick	Kick Drum2	Jazz Kick 2	Jazz BD2
36	Elec Kick 1	Elec BD	TR-808 Kick	808 Bass Drum	Jazz Kick 1	Jazz BD1
37	Side Stick	Side Stick	808 Rimshot	808 Rim Shot	Side Stick	Side Stick
38	Elec. Snare	Elec SD	808 Snare 1	808 Snare Drum	Standard SN1	Snare Drum1
39	909 HandClap	Hand Clap	909 HandClap	Hand Clap	909 HandClap	Hand Clap
40	Elec Snare 2	Gated SD	Elec Snare 3	Snare Drum2	Elec Snare 3	Snare Drum2
41	Synth Drum 2	Elec Low Tom2	808 Tom 2	808 Low Tom2	Real Tom 6	Low Tom2
42	Close Hi-Hat2	Closed Hi-hat	TR-808 CHH	808 CHH	Close Hi-Hat2	Closed Hi-hat
43	Synth Drum 2	Elec Low Tom1	808 Tom 2	808 Low Tom1	Real Tom 6	Low Tom1
44	Pedal Hi-Hat2	Pedal Hi-hat	808_chh	808 CHH	Pedal Hi-Hat2	Pedal Hi-hat
45	Synth Drum 2	Elec Mid Tom2	808 Tom 2	808 Mid Tom2	Real Tom 4	Mid Tom2
46	Open Hi-Hat2	Open Hi-hat	TR-808 OHH	808 OHH	Open Hi-Hat2	Open Hi-hat
47	Synth Drum 2	Elec Mid Tom1	808 Tom 2	808 Mid Tom1	Real Tom 4	Mid Tom1
48	Synth Drum 2	Elec Hi Tom2	808 Tom 2	808 Hi Tom2	Real Tom 1	High Tom2
49	Crash Cym.1	Crash Cymbal1	808 Crash	808 Cymbal	Crash Cym.1	Crash Cymbal1
50	Synth Drum 2	Elec Hi Tom1	808 Tom 2	808 Hi Tom1	Real Tom 1	High Tom1
51	Ride Cymbal	Ride Cymbal1	Ride Cymbal	Ride Cymbal1	Ride Cymbal	Ride Cymbal1
52	ReverseCymb1	Reverse Cymbal	ChinaCymbal	Chinese Cymbal	ChinaCymbal	Chinese Cymbal
53	Ride Bell	Ride Bell	Ride Bell	Ride Bell	Ride Bell	Ride Bell
54	Tambourine	Tambourine	Tambourine	Tambourine	Tambourine	Tambourine
55	Splash Cym.	Splash Cymbal	Splash Cym.	Splash Cymbal	Splash Cym.	Splash Cymbal
56	Cowbell	Cowbell	808cowbe	808 Cowbell	Cowbell	Cowbell
57	Crash Cym.2	Crash Cymbal2	Crash Cym.2	Crash Cymbal2	Crash Cym.2	Crash Cymbal2
58	Vibraslap	Vibra-slap	Vibraslap	Vibra-slap	Vibraslap	Vibra-slap
59	Ride Cymbal	Ride Cymbal2	Ride Cymbal	Ride Cymbal2	Ride Cymbal	Ride Cymbal2
60	Bongo High	High Bongo	Bongo High	High Bongo	Bongo High	High Bongo
61	Bongo Lo	Low Bongo	Bongo Lo	Low Bongo	Bongo Lo	Low Bongo
62	Mute H. Conga	Mute High Conga	808 Conga	808 High Conga	Mute H. Conga	Mute High Conga
63	Conga Hi Opn	Open High Conga	808 Conga	808 Mid Conga	Conga Hi Opn	Open High Conga
64	Conga Lo Opn	Low Conga	808 Conga	808 Low Conga	Conga Lo Opn	Low Conga
65	High Timbale	High Timbale	High Timbale	High Timbale	High Timbale	High Timbale
66	Low Timbale	Low Timbale	Low Timbale	Low Timbale	Low Timbale	Low Timbale
67	Agogo	High Agogo	Agogo	High Agogo	Agogo	High Agogo
68	Agogo	Low Agogo	Agogo	Low Agogo	Agogo	Low Agogo
69	Cabasa	Cabasa	Cabasa	Cabasa	Cabasa	Cabasa
70	Maracas	Maracas	808marac	808 Maracas	Maracas	Maracas
71	ShrtWhistle	Short Hi Whistle	ShrtWhistle	Short Hi Whistle	ShrtWhistle	Short Hi Whistle
72	LongWhistle	Long Low Whistle	LongWhistle	Long Low Whistle	LongWhistle	Long Low Whistle
73	Short Guiro	Short Guiro	Short Guiro	Short Guiro	Short Guiro	Short Guiro
74	Long Guiro	Long Guiro	Long Guiro	Long Guiro	Long Guiro	Long Guiro
75	Claves	Claves	808clave	808 Claves	Claves	Claves
76	Woodblock	High Wood Block	Woodblock	High Wood Block	Woodblock	High Wood Block
77	Woodblock	Low Wood Block	Woodblock	Low Wood Block	Woodblock	Low Wood Block
78	Mute Cuica	Mute Cuica	Mute Cuica	Mute Cuica	Mute Cuica	Mute Cuica
79	Open Cuica	Open Cuica	Open Cuica	Open Cuica	Open Cuica	Open Cuica
80	MuteTriangl	Mute Triangle	MuteTriangl	Mute Triangle	MuteTriangl	Mute Triangle
81	OpenTriangl	Open Triangle	OpenTriangl	Open Triangle	OpenTriangl	Open Triangle
82	Shaker	Shaker	Shaker	Shaker	Shaker	Shaker
83	Jingle Bell	Jingle Bell	Jingle Bell	Jingle Bell	Jingle Bell	Jingle Bell
84	Bell Tree	Bell Tree	Bell Tree	Bell Tree	Bell Tree	Bell Tree
85	Castanets	Castanets	Castanets	Castanets	Castanets	Castanets
86	Mute Surdo	Mute Surdo	Mute Surdo	Mute Surdo	Mute Surdo	Mute Surdo
87	Open Surdo	Open Surdo	Open Surdo	Open Surdo	Open Surdo	Open Surdo
88	-----	-----	-----	-----	-----	-----
	MSB: 120 LSB: 0	MSB: 86 LSB: 127	MSB: 120 LSB: 0	MSB: 86 LSB: 127	MSB: 120 LSB: 0	MSB: 86 LSB: 127

Rhythm Set List

GM2/GS Group

Note No.	r24 (PC: 41) GM2 BRUSH	r25 (PC: 41) GS BRUSH	r26 (PC: 49) GM2 ORCHESTRA	r27 (PC: 49) GS ORCHESTRA	r28 (PC: 57) GM2 SFX	r29 (PC: 57) GS SFX
27	High-Q	High Q	Close HiHat2	Closed Hi-hat	-----	-----
28	Slap	Slap	Pedal HiHat2	Pedal Hi-hat	-----	-----
29	ScratchPush	Scratch Push	Open HiHat2	Open Hi-hat	-----	-----
30	ScratchPull	Scratch Pull	Ride Cymbal	Ride Cymbal1	-----	-----
31	Sticks	Sticks	Sticks	Sticks	-----	-----
32	SquareClick	Square Click	SquareClick	Square Click	-----	-----
33	Mtrm.Click	Metronome Click	Mtrm.Click	Metronome Click	-----	-----
34	Mtrm. Bell	Metronome Bell	Mtrm. Bell	Metronome Bell	-----	-----
35	Jazz Kick 2	Jazz BD2	Concert BD	Concert BD2	-----	-----
C2 36	Jazz Kick 1	Jazz BD1	ConcertBD Mt	Concert BD1	-----	-----
37	Side Stick	Side Stick	Side Stick	Side Stick	-----	-----
38	Brush Swirl	Brush Tap	Concert Snr	Concert SD	-----	-----
39	Brush Slap1	Brush Slap	Castanets	Castanets	High-Q	High Q
40	Brush Swirl	Brush Swirl	Concert Snr	Concert SD	Slap	Slap
41	Real Tom 6	Low Tom2	Timpani	Timpani F	ScratchPush	Scratch Push
42	Close HiHat2	Closed Hi-hat	Timpani	Timpani F#	ScratchPull	Scratch Pull
43	Real Tom 6	Low Tom1	Timpani	Timpani G	Sticks	Sticks
44	Pedal HiHat2	Pedal Hi-hat	Timpani	Timpani G#	SquareClick	Square Click
45	Real Tom 4	Mid Tom2	Timpani	Timpani A	Mtrm.Click	Metronome Click
46	Open HiHat2	Open Hi-hat	Timpani	Timpani A#	Mtrm. Bell	Metronome Bell
47	Real Tom 4	Mid Tom1	Timpani	Timpani B	Gt.FretNoiz	Guitar Fret Noise
C3 48	Real Tom 1	High Tom2	Timpani	Timpani c	Gt.CutNoise	Guitar cutting noise/up
49	Crash Cym.1	Crash Cymbal1	Timpani	Timpani c#	Gt.CutNoise	Guitar cutting noise/down
50	Real Tom 1	High Tom1	Timpani	Timpani d	String Slap	String slap of double bass
51	Ride Cymbal	Ride Cymbal1	Timpani	Timpani d#	Fl.KeyClick	Fl.Key Click
52	ChinaCymbal	Chinese Cymbal	Timpani	Timpani e	Laughing	Laughing
53	Ride Bell	Ride Bell	Timpani	Timpani f	Screaming	Scream
54	Tambourine	Tambourine	Tambourine	Tambourine	Punch	Punch
55	Splash Cym.	Splash Cymbal	Splash Cym.	Splash Cymbal	Heart Beat	Heart Beat
56	Cowbell	Cowbell	Cowbell	Cowbell	Footsteps	Footsteps1
57	Crash Cym.2	Crash Cymbal2	Con.Cymbal2	Concert Cymbal2	Footsteps	Footsteps2
58	Vibraslap	Vibra-slap	Vibraslap	Vibra-slap	Applause	Applause
59	Ride Cymbal	Ride Cymbal2	Concert Cym.	Concert Cymbal1	Creaking	Door Creaking
C4 60	Bongo High	High Bongo	Bongo High	High Bongo	Door	Door
61	Bongo Lo	Low Bongo	Bongo Lo	Low Bongo	Scratch	Scratch
62	Mute H.Conga	Mute High Conga	Mute H.Conga	Mute High Conga	Wind Chimes	Wind Chimes
63	Conga Hi Opn	Open High Conga	Conga Hi Opn	Open High Conga	Car-Engine	Car-Engine
64	Conga Lo Opn	Low Conga	Conga Lo Opn	Low Conga	Car-Stop	Car-Stop
65	High Timbale	High Timbale	High Timbale	High Timbale	Car-Pass	Car-Pass
66	Low Timbale	Low Timbale	Low Timbale	Low Timbale	Car-Crash	Car-Crash
67	Agogo	High Agogo	Agogo	High Agogo	Siren	Siren
68	Agogo	Low Agogo	Agogo	Low Agogo	Train	Train
69	Cabasa	Cabasa	Cabasa	Cabasa	Jetplane	Jetplane
70	Maracas	Maracas	Maracas	Maracas	Helicopter	Helicopter
71	ShrtWhistle	Short Hi Whistle	ShrtWhistle	Short Hi Whistle	Starship	Starship
C5 72	LongWhistle	Long Low Whistle	LongWhistle	Long Low Whistle	Gun Shot	Gun Shot
73	Short Guiro	Short Guiro	Short Guiro	Short Guiro	Machine Gun	Machine Gun
74	Long Guiro	Long Guiro	Long Guiro	Long Guiro	Lasergun	Lasergun
75	Claves	Claves	Claves	Claves	Explosion	Explosion
76	Woodblock	High Wood Block	Woodblock	High Wood Block	Dog	Dog
77	Woodblock	Low Wood Block	Woodblock	Low Wood Block	HorseGallop	Horse-Gallop
78	Mute Cuica	Mute Cuica	Mute Cuica	Mute Cuica	Bird	Birds
79	Open Cuica	Open Cuica	Open Cuica	Open Cuica	Rain	Rain
80	MuteTriangl	Mute Triangle	MuteTriangl	Mute Triangle	Thunder	Thunder
81	OpenTriangl	Open Triangle	OpenTriangl	Open Triangle	Wind	Wind
82	Shaker	Shaker	Shaker	Shaker	Seashore	Seashore
83	Jingle Bell	Jingle Bell	Jingle Bell	Jingle Bell	Stream	Stream
C6 84	Bell Tree	Bell Tree	Bell Tree	Bell Tree	Bubble	Bubble
85	Castanets	Castanets	Castanets	Castanets	-----	-----
86	Mute Surdo	Mute Surdo	Mute Surdo	Mute Surdo	-----	-----
87	Open Surdo	Open Surdo	Open Surdo	Open Surdo	-----	-----
88	-----	-----	Applause	Applause	-----	-----
MSB: 120 MSB: 86 MSB: 120 MSB: 86 MSB: 120 MSB: 86						
LSB: 0 LSB: 127 LSB: 0 LSB: 127 LSB: 0 LSB: 127						

GM2/GS Group

Note No.		r30 (PC: 128)
		GS CM64/32L
35		CM Kick Drum
C2 36	37	CM Kick Drum
38		CM Rim Shot
	39	CM Snare Drum
40		CM Hand Clap
		CM Electronic Snare Drum
41	42	CM Acoustic Low Tom
43		CM Closed High Hat
	44	CM Acoustic Low Tom
45		CM Open Hi-Hat2
	46	CM Acoustic Middle Tom
47		CM Open Hi-Hat1
		CM M.TomAcoustic Middle Tom
C3 48	49	CM Acoustic High Tom
50		CM Crash Cymbal
	51	CM Acoustic High Tom
52		CM Ride Cymbal

53	54	CM Tambourine
55		-----
	56	CM Cowbell
57		-----
	58	-----
59		-----
C4 60	61	CM High Bongo
		CM Low Bongo
62		CM Mute High Conga
	63	CM High Conga
64		CM Low Conga
		CM High Timbale
65	66	CM Low Timbale
67		CM High Agogo
	68	CM Low Agogo
69		CM Cabasa
	70	CM Maracas
71		CM Short Whistle
		CM Long Whistle
C5 72	73	CM Vibrato Slap
74		-----
	75	CM Claves
76		Laughing
		Scream
77	78	Punch
79		Heart Beat
	80	Footsteps1
81		Footsteps2
	82	Applause
83		Creaking
		Door
C6 84	85	Scratch
86		Wind Chimes
	87	Car-Engine
88		Car-Stop
		Car-Pass
89	90	Car-Crash
91		Siren
	92	Train
93		Jetplane
	94	Helicopter
95		Starship
		Gun Shot
C7 96	97	Machine Gun
98		Lasergun
	99	Explosion
100		Dog
		Horse-Gallop
101	102	Birds
103		Rain
	104	Thunder
105		Wind
	106	SeaShore
107		Stream
		Bubble
C8 108		
		MSB: 86
		LSB: 127

Alphabetical Tone List

Organ/Orchestral Tones

Tone Name	PC	MSB	LSB	Tone Name	PC	MSB	LSB	Tone Name	PC	MSB	LSB
1' Siff flute	10	93	126	Ceremonial	49	93	127	My Orchestra	118	93	126
1' Tibia Fife	69	93	126	Chamber Quartet	3	93	127	New R&R Brass	48	93	127
1-3/5' Tibia Tierce	70	93	126	Chamber Strings	2	93	127	Nice Guitar	101	93	127
10-2/3' Gross Quint	61	93	126	Chamber Woods	35	93	127	Nylon Bass	109	93	127
16' Cello Celeste II	43	93	126	Chime Bells	71	93	127	Nylon Guitar	102	93	127
16' Erzähler Celeste II	44	93	126	Church Bell	78	93	127	Oboe mf	43	93	127
16' Montre	2	93	126	Church Harmony	106	93	126	Oboe Vibrato	42	93	127
16' Pommer	3	93	126	Clarinet mp	46	93	127	Octave Strings 1	125	93	126
16' Posaune	59	93	126	Concert Bass Drum	85	93	127	Octave Strings 2	126	93	126
16' Posthorn	19	93	126	Contrabass Section	124	93	126	Orchestral Brass	22	93	127
16' Quintadena	7	93	126	Crash Cymbal	88	93	127	Orchestral Percussion Set	94	93	127
16' Royal Trumpet	15	93	126	Cup Mute	51	93	127	Orchestral Pizzicato	10	93	127
16' Tibia Clausa	63	93	126	D-50 Organ	104	93	126	Orchestral Snare	87	93	127
16' Viols Chorus II	52	93	126	Desert Crystal	106	93	127	Orchestral Strings	116	93	126
2' Tibia Piccolo	68	93	126	Dyna Marimba	98	93	127	Pan Pipes	65	93	127
2' Zink	62	93	126	English Horn	33	93	127	Perky B	101	93	126
2-2/3' Tibia Twelfth	67	93	126	Expressimo	112	93	126	Phazweep	118	93	127
2.2 Bell Pad	80	93	127	Fanfare	25	93	127	Piano + Soft Pad	84	93	126
2020 Bell	79	93	127	Fat Rhodes	86	93	126	Piano + Strings	83	93	126
21-1/3' Grave Diapente	60	93	126	Fat Strings	121	93	126	Pop Bass	112	93	127
3-1/5' Gross Terz	39	93	126	Fifes	37	93	127	Pop Piano MX	78	93	126
32' Bazuin	58	93	126	Film Octaves	115	93	126	Principal Chorus 8', 4', 2'	76	93	126
32' Contra Violone	57	93	126	Flute	40	93	127	Real Cello	15	93	127
32' Contre Geigen	1	93	126	French Horn Section	30	93	127	Real Choir	17	93	127
32' Posaune	56	93	126	Full Chamber Strings	4	93	127	Rholitzer	87	93	126
32' Untersatz	55	93	126	Full Orchestra	119	93	126	Ride Cymbal	89	93	127
4' Erzähler Celeste II	49	93	126	Full Pizzicato mp	9	93	127	Rocker Spin	97	93	126
4' Flute Celeste II	50	93	126	Full Sax	57	93	127	Royal Trumpets 16', 8', 4'	72	93	126
4' Major Flute	9	93	126	Full Stops	102	93	126	Sax Choir	58	93	127
4' Major Flute (with Trem)	14	93	126	Full Tremolo	128	93	126	Slow Dark Brass	29	93	127
4' Royal Trumpet	17	93	126	Glistening	116	93	127	Slow Octave Strings	127	93	126
4' Tibia Piccolo	66	93	126	Gospel Spin	103	93	126	Slow Violin/Cello	14	93	127
4' Violina Celeste II	48	93	126	Grand MX	77	93	126	Smooth Rhodes	88	93	126
4' Viols Chorus II	54	93	126	Guitar & Pad	114	93	127	Snare Roll	86	93	127
5-1/3' Gross Quint	38	93	126	Handbell	76	93	127	Soaring Horns	117	93	127
5-1/3' Tibia Fifth	65	93	126	Harmo Blues	69	93	127	Soft B	99	93	126
8' Cello Celeste II	45	93	126	Harmon Mute	52	93	127	Soft Celesta	74	93	127
8' Cor d'Amour	24	93	126	Harmonic Strings	117	93	126	Soft Horns	31	93	127
8' Cor d'Amour (with Trem)	29	93	126	Harp	100	93	127	Soft Nylon	104	93	127
8' English Horn	23	93	126	Harpsichord Back	96	93	126	Soft Perky	98	93	126
8' English Horn (with Trem)	28	93	126	Harpsichord F/B/B4	93	93	126	Soft Symphony	26	93	127
8' First Diapason	6	93	126	Harpsichord F4/B	94	93	126	Solo Alto Sax	62	93	127
8' French Horn	22	93	126	Harpsichord Front	95	93	126	Soprano Recorder	68	93	127
8' French Horn (with Trem)	27	93	126	Hlt Rhodes	89	93	126	Soprano Sax mf	60	93	127
8' Harmonic Flute	5	93	126	Holiday Cheer	83	93	127	Spaced Vox	21	93	127
8' Harmonic Flute (with Trem)	12	93	126	Honky Tonk MX	81	93	126	Sparkle Piano	79	93	126
8' Kinura	21	93	126	Il Jeu de Clochette	37	93	126	Stacc.Heaven	81	93	127
8' Kinura (with Trem)	26	93	126	Il Sesquialtera	35	93	126	Stage 73	85	93	126
8' Muted Viols II	47	93	126	Il Sesquialtera (with Trem)	41	93	126	Steel Away	103	93	127
8' Posthorn	20	93	126	IV Comet 4'	36	93	126	Stereo Choir	19	93	127
8' Quintadena	8	93	126	IV Comet 4' (with Trem)	42	93	126	Stereo Harpsichord	92	93	126
8' Quintadena (with Trem)	13	93	126	IV Echo Mixture	34	93	126	Strings Ensemble	123	93	126
8' Royal Trumpet	16	93	126	IV Fourniture	31	93	126	Surf's Up!	105	93	126
8' Royal Tuba	18	93	126	IV Grave Mixture	33	93	126	Swell Ensemble	36	93	127
8' Second Diapason	4	93	126	IV Scharf	32	93	126	Swingin' Bari	64	93	127
8' Second Diapason (with Trem)	11	93	126	Jazz Guitar Hall	107	93	127	Tap Bass	113	93	127
8' Tibia Clausa	64	93	126	Lead 4x Viols	8	93	127	Tender Flute	41	93	127
8' Viols Chorus IV	53	93	126	Lochscapes	67	93	127	The Andes	66	93	127
8' Voce Umana II	46	93	126	Lush Strings 2	120	93	126	Thick Steel	105	93	127
8' Voce Umana II	51	93	126	Marcato	1	93	127	Tibias 16', 8', 4', 2'	75	93	126
8' Vox Humana	25	93	126	Massed Horns	28	93	127	Tibias 8', 4'	73	93	126
8' Vox Humana	71	93	126	Mellow Horn	53	93	127	Tibias 8', 4', 2'	74	93	126
8' Vox Humana (with Trem)	30	93	126	Mild Trombone	54	93	127	Timpani Roll	93	93	127
8/9' None	40	93	126	Morning Lite	82	93	127	Triangle	90	93	127
Air Pad	115	93	127	Mr.Mellow	90	93	126	Trombone	55	93	127
Alto Sax	61	93	127	Music Bells	84	93	127	True Vibe	95	93	127
Ambience Vibe	97	93	127	MX Accordion	91	93	126	Tubular Bells	72	93	127
Ballad B	100	93	126	MX Acoustic Bass	108	93	127	Ultra Smooth	122	93	126
Baroque 1	6	93	127	MX Church Organ 1	109	93	126	Valve Job	24	93	127
Baroque 2	7	93	127	MX Church Organ 2	110	93	126	Violin/Cello 1	5	93	127
Basic Fretless	111	93	127	MX Church Organ 3	111	93	126	Violin/Cello 2	12	93	127
Bass Clarinet	45	93	127	MX Clarinet	44	93	127	Voyager Brass	27	93	127
Bass Pizzicato	11	93	127	MX DynoTenor	63	93	127	Warm Cello	16	93	127
Bassoon/English Horn	47	93	127	MX Fretless	110	93	127	Warm pF Mix	80	93	126
Belfry Chime	77	93	127	MX Glocken	73	93	127	Warm Vibes	96	93	127
Boys Choir	18	93	127	MX Ocarina	70	93	127	Warm Violin	13	93	127
Boys Choir Ooh	20	93	127	MX Strings	113	93	126	Wedding Mass	108	93	126
Brassy Symphony	23	93	127	MX Timpani 1	91	93	127	Wide Strings	114	93	126
Breathy Sax	59	93	127	MX Timpani 2	92	93	127	Wind Multi	39	93	127
Bright Horn	32	93	127	MX Trumpet	50	93	127	Wind Wood	38	93	127
Cathedral	107	93	126	MX Tuba	56	93	127	Wood Symphony	34	93	127
Celestabox	75	93	127	MX Xylophone	99	93	127	Y2K Concerto	82	93	126

GM (General MIDI) Tones

Tone Name	No.	PC	LSB	Tone Name	No.	PC	LSB	Tone Name	No.	PC	LSB	Tone Name	No.	PC	LSB
12-str.Gt	59	1		Delayed Lead	171	1		Laughing	248	1		Slap Bass 2	84	38	0
2600 Sine	158	2		Detuned EP 2	15	1		Machine Gun	254	1		Slow Strings	107	50	0
5th Saw Wave	169	87	0	Dist Rtm GTR	75	2		Mandolin	60	2		Slow Violin	95		1
60's Organ 1	39	2		DistortionGt	73	31	0	Marimba	30	13	0	Solo Vox	168	86	0
60s Strings	106	2		Doctor Solo	161	2		Marimba w	31	1		Soprano Sax	140	65	0
6th Hit	119	2		Dog	228	1		Melo. Tom 1	210	118	0	Soundtrack	183	98	0
70's E.Organ	40	3		Door	234	3		Melo. Tom 2	211	1		Space Voice	176	92	0
808 Tom	213	1		DoorCreaking	233	2		Metal Pad	179	94	0	Square Wave	156	81	0
Accordion Fr	50	22	0	E.Piano 1	10	5	0	MG Square	157	1		St.FM EP	16		2
Accordion It	51	1		E.Piano 2	14	6	0	Mid Tone GTR	66	2		St.Soft EP	11		1
Acid Bass	87	2		Echo Bell	190	1		Music Box	27	11	0	Star Theme	192	104	0
Acoustic Bs.	78	33	0	Echo Drops	189	103	0	Muted Gt.	67	29	0	Starship	245		8
Agogo	204	114	0	Echo Pan	191	2		MutedTrumpet	127	60	0	Steel + Body	61		3
Alto Sax	141	66	0	Elec Perc	214	2		MuteTrumpet2	128	1		Steel Drums	205	115	0
Analog Voice	116	1		English Horn	145	70	0	Natural Lead	162	3		Steel-str.Gt	58	26	0
Applause	247	127	0	EP Legend	17	3		Nylon Gt.2	57	3		Stream	225		4
Atmosphere	186	100	0	EP Phase	18	4		Nylon Gt.o	56	2		String Slap	218		2
Attack Pulse	93	3		Euro Hit	120	3		Nylon-str.Gt	54	25	0	Strings	104	49	0
Bagpipe	200	110	0	European Pf	3	2		OB2 Saw	160	1		Sweep Pad	181	96	0
Bandoneon	53	24	0	Explosion	256	3		Oboe	144	69	0	Syn Mallet	185		1
Banjo	195	106	0	Fantasia	172	89	0	Ocarina	155	80	0	Syn.Calliope	164	83	0
Baritone Sax	143	68	0	Feedback Gt.	74	1		Oct SynBrass	135	2		Syn.Strings1	108	51	0
Bass & Lead	170	88	0	Fiddle	201	111	0	Orchestra	105	1		Syn.Strings2	110	52	0
Bass Hit	118	1		Finger Slap	80	1		OrchestraHit	117	56	0	Syn.Strings3	109		1
Bassoon	146	71	0	Fingered Bs.	79	34	0	Organ 1	37	17	0	SynBrass sfz	138		1
Beef FM Bass	91	1		Fl.Key Click	220	1		Organ 2	41	18	0	Synth Bass 1	85	39	0
Bird	227	124	0	Flute	149	74	0	Organ 3	44	19	0	Synth Bass 2	90	40	0
Bird 2	230	3		FM+SA EP	12	2		Overdrive Gt	71	30	0	Synth Brass1	133	63	0
Bottle Blow	152	77	0	Footsteps	252	5		Pan Flute	151	76	0	Synth Brass2	137	64	0
Bowed Glass	178	93	0	Fr.Horn 2	130	1		Pedal Steel	63	1		Synth Drum	212	119	0
Brass 1	131	62	0	French Horns	129	61	0	Perc. Organ	43	2		SynthBass101	86		1
Brass 2	132	1		Fretless Bs.	82	36	0	Piano 1	1	1	0	SynVox	115	55	0
Breath Noise	219	122	0	Funk Gt.2	69	2		Piano 1w	2	1		Taiko	208	117	0
Bright Tb	125	2		Funk Pop	68	1		Piano 2	4	2	0	Taisho Koto	198		1
Brightness	187	101	0	Glockenspiel	26	10	0	Piano 2w	5	1		Telephone 1	231	125	0
Bubble	226	5		Goblin	188	102	0	Piano 3	6	3	0	Telephone 2	232		1
Burst Noise	246	9		Gt. Feedback	77	1		Piano 3w	7	1		Tenor Sax	142	67	0
Car-Crash	241	4		Gt.Cut Noise	217	1		Piccolo	148	73	0	Thunder	223		2
Car-Engine	238	1		Gt.FretNoise	216	121	0	Picked Bass	81	35	0	Timpani	103	48	0
Car-Pass	240	3		Gt.Harmonics	76	32	0	PizzicatoStr	100	46	0	Tinkle Bell	203	113	0
Car-Stop	239	2		Guitar Pinch	72	1		Polysynth	175	91	0	Train	243		6
Carillon	35	2		Gun Shot	253	128	0	Pro Brass	134	1		Trem. Organ	38		1
Castanets	207	1		Halo Pad	180	95	0	Puff Organ	49	1		Tremolo Str	99	45	0
Celesta	25	9	0	Hammer	89	4		Pulse Clav	24	1		Trombone	123	58	0
Cello	97	43	0	Harmonica	52	23	0	Punch	250	3		Trombone 2	124		1
Charang	166	85	0	Harp	101	47	0	Rain	222	1		Trumpet	121	57	0
Chiffer Lead	165	84	0	Harpsi.o	22	3		Recorder	150	75	0	Tuba	126	59	0
Choir Aahs	111	53	0	Harpsi.w	21	2		Reed Organ	48	21	0	Tubular-bell	33	15	0
Chorus Aahs	112	1		Harpsichord	19	7	0	Reverse Cym.	215	120	0	Ukulele	55		1
Chorus Gt.	65	1		Heart Beat	251	4		RubberBass 2	92	2		Velo Brass 1	139		2
Chorus Or.2	42	1		Helicopter	237	126	0	Santur	36	16	0	Vibraphone	28	12	0
Church Bell	34	1		Honky-tonk	8	4	0	Saw Wave	159	82	0	Vibraphone w	29		1
Church Org.1	45	20	0	Honky-tonk 2	9	1		Scratch	235	4		Viola	96	42	0
Church Org.2	46	1		Horse-Gallop	229	2		Screaming	249	2		Violin	94	41	0
Church Org.3	47	2		Humming	114	1		Seashore	221	123	0	Voice Oohs	113	54	0
Clarinet	147	72	0	Ice Rain	182	97	0	SequencedSaw	163	4		Warm Pad	173	90	0
Clav.	23	8	0	Itopia	177	1		Shakuhachi	153	78	0	Whistle	154	79	0
Clavi Bass	88	3		Jazz Gt.	62	27	0	Shamisen	196	107	0	Wind	224		3
Clean Gt.	64	28	0	Jazz Man	70	3		Shanai	202	112	0	Wind Chimes	236		5
Concert BD	209	1		Jetplane	244	7		Sine Pad	174	1		Wire Lead	167		1
Contrabass	98	44	0	Jump Brass	136	3		Siren	242	5		Woodblock	206	116	0
Coupled Hps.	20	1		Kalimba	199	109	0	Sitar	193	105	0	Wurly	13		3
Crystal	184	99	0	Koto	197	108	0	Sitar 2	194	1		Xylophone	32	14	0
Dark Trumpet	122	1		Lasergun	255	2		Slap Bass 1	83	37	0	Yang Qin	102		1

Quick Key Map

CHOIR (3 Manual) GREAT (2 Manual)

Capital Tone (MSB: 65)	PC	Variation 1 (MSB: 66)	Variation 2 (MSB: 67)	Variation 3 (MSB: 68)	Variation 4 (MSB: 69)
Pop Piano MX	1	Warm pF Mix			
Y2K Concerto	2	Sparkle Piano	Honky Tonk MX		
Rholitzer	3	Piano + Strings	Piano + Soft Pad		
Stacc.Heaven	4	Stage 73	Hit Rhodes		
Harpsichord F/B/B4	5	Smooth Rhodes	Mr.Mellow		
MX Glocken	6	Morning Lite	Air Pad	Glistening	Phazweep
Warm Vibes	7	Harpsichord Front	Harpsichord Back		
Dyna Marimba	8	Harpsichord F4/B			
Tubular Bells	9	Celestabox			
Soft Perky	10	Holiday Cheer	2020 Bell		
Ballad B	11	2.2 Bell Pad			
MX Church Organ 1	12	True Vibe	Ambience Vibe		
Cathedral	13				
MX Accordion	14				
Soft Nylon	15	Belfry Chime			
Jazz Guitar Hall	16	Church Bell	Chime Bells		
Chamber Quartet	17	Soft B	Rocker Spin		
Lead 4x Violins	18	Perky B	Gospel Spin		
Contrabass Section	19	D-50 Organ	Full Stops		
Nylon Bass	20	MX Church Organ 2	MX Church Organ 3		
Basic Fretless	21				
Timpani Roll	22	Wedding Mass			
Full Orchestra	23				
Warm Violin	24				
Slow Violin/Cello	25	Nylon Guitar	Nice Guitar	Guitar & Pad	Desert Crystal
Violin/Cello 1	26	Thick Steel			
Orchestral Pizzicato	27	Baroque 1			
MX Timpani 2	28	Full Chamber Strings			
Strings Ensemble	29	Expressimo			
Lush Strings 2	30	Orchestral Strings			
Real Choir	31	Octave Strings 1	Slow Octave Strings		
Boys Choir Ooh	32				
Valve Job	33	Tap Bass			
Mild Trombone	34	MX Fretless			
Cup Mute	35				
French Horn Section	36				
	37	Soft Symphony			
	38	My Orchestra			
	39				
	40				
	41				
	42	Baroque 2			
	43	Warm Cello			
	44	Violin/Cello 2			
	45				
	46	Bass Pizzicato	Full Pizzicato mp		
	47				
	48	MX Timpani 1	Orchestral Percussion Set		
	49	Marcato			
	50	Ultra Smooth			
	51	Fat Strings			
	52	Film Octaves	Wide Strings		
	53	Stereo Choir	Spaced Voxx		
	54	Boys Choir			
	55	Slow Dark Brass			
	56	Ceremonial			
	57	Mellow Horn			
	58	Trombone			
	59				
	60	Harmon Mute			
	61	Soft Horns	Bright Horn		

LSB: 0

Quick Key Map

GREAT (3 Manual) SWELL (2 Manual)

SWELL (3 Manual) PEDAL (2 Manual)

Capital Tone (MSB: 65)	PC	Variation 1 (MSB: 66)	Variation 2 (MSB: 67)	Variation 3 (MSB: 68)	Capital Tone (MSB: 65)	PC
Fanfare		62 New R&R Brass			Concert Bass Drum	123
Massed Horns	Orchestral Brass	63 Soaring Horns			Orchestral Snare	124
Alto Sax	Soprano Sax mf	64			Crash Cymbal	125
MX DynoTenor		65			Ride Cymbal	126
Oboe Vibrato	Full Saxz	66 Solo Alto Sax	Breathy Sax		Triangle	127
Bassoon/English Horn	English Horn	67 Swingin' Bari				128
Bass Clarinet	MX Clarinet	68 Sax Choir				
		69 Oboe mf				
		70 Swell Ensemble				
		71				
		72 Clarinet mp				
		73				
Tender Flute	Soprano Recorder	74 Flute	Fifes			
Wind Wood	Chamber Woods	75 MX Ocarina				
Pan Pipes		76 Wood Symphony				
32' Contra Violone	32' Untersatz	77 Wind Multi	The Andes			
32' Bazuin	32' Posaune	78 Lochscapes				
16' Posaune	32' Contre Geigen	79				
16' Montre		80				
16' Pommer		81				
8' First Diapason	10-2/3' Gross Quint	82				
8' Harmonic Flute	8' Second Diapason	83				
8' Quintadena	4' Major Flute	84				
1' Siffute	IV Fourmiture	85				
IV Scharf	II Sesquialtera	86				
IV Comet 4'		87 21-1/3' Grave Diapente	5-1/3' Gross Quint	3-1/5' Gross Terz		
16' Cello Celeste II	16' Erzahler Celeste II	88 8' Voce Umana II				
16' Viols Chorus II	8' Cello Celeste II	89 8' Second Diapason (w/T)	8' Voce Umana II	Principal Chorus 8', 4', 2'		
8' Muted Viols II		90 8' Harmonic Flute (w/T)				
8' Viols Chorus IV	4' Violina Celeste II	91 8' Quintadena (w/T)	16' Quintadena			
4' Erzahler Celeste II	4' Flute Celeste II	92 4' Major Flute (w/T)				
8' French Horn	8' Cor d'Amour	93 8/9' None				
8' English Horn		94 IV Grave Mixture	IV Echo Mixture			
8' Vox Humana	16' Royal Trumpet	95 II Jeu de Clochette				
8' Royal Trumpet	8' Royal Tuba	96 II Sesquialtera (w/T)				
16' Tibia Clausa		97 IV Comet 4' (w/T)				
8' Tibia Clausa	Tibias 8', 4'	98				
4' Tibia Piccolo	2-2/3' Tibia Twelfth	99				
2' Tibia Piccolo	8' Vox Humana	100				
8' Kinura		101				
16' Posthorn		102				
		103 4' Viols Chorus II				
		104				
		105				
		106				
		107 8' French Horn (w/T)				
		108 8' Cor d'Amour (w/T)				
		109 8' English Horn (w/T)				
		110 8' Vox Humana (w/T)				
		111				
		112 4' Royal Trumpet	Royal Trumpets 16', 8', 4'			
		113				
		114				
		115				
		116 Tibias 8', 4', 2'	Tibias 16', 8', 4', 2'			
		117				
		118 5-1/3' Tibia Fifth	1-3/5' Tibia Tierce			
		119 1' Tibia Fife				
		120				
		121 8' Kinura (w/T)	2' Zink			
		122 8' Posthorn				

* w/T = with Trem

LSB: 0

Parameter List

EQ Parameters

Parameter	Value	Factory Setting	Page
EQ HIGH GAIN	-15- +15	0	p. 22
EQ MID H GAIN	-15- +15	0	
EQ MID L GAIN	-15- +15	0	
EQ LOW GAIN	-15- +15	0	

Part Parameters

Parameter	Value	Factory Setting	Page
EQ ON/OFF	OFF, ON	ON	p. 23
PART TYPE	TONE (ton), RHYTHM (rhy)	Part 1-9, 11-16: ton Part 10: rhy	
PART MUTE	OFF, ON	Part 1-11: OFF Part 12-16: ON	
PART LEVEL	0-127	100	
PART PAN	L64-63R	0	
PART COARSE TUNE (C.T)	-48- +48	0	
PART FINE TUNE (F.T)	-50- +50	0	
PART REVERB SEND LEVEL (REV)	0-127	80	
PART CHORUS SEND LEVEL (CHO)	0-127	0	
PART OUTPUT LEVEL (DRY)	0-127	127	

Setup Parameters

Parameter	Value	Factory Setting	Page
PERFORMANCE CONTROL CHANNEL	1-16, OFF	OFF	p. 25
USB DESCRIPTOR	VEN, GEN	VEN	
MIDI-USB THRU	OFF, ON	OFF	
RECEIVE GM2 ON	OFF, ON	ON	

Tune Mode Parameters

Parameter	Value	Factory Setting	Page
TEMPERAMENT	EQUAL, MEAN-TONE, PYTHAGOREAN, KIRNBERGER, WERCKMEISTER I, WERCKMEISTER III, YOUNG I, YOUNG III	EQUAL	p. 12
REVERB TYPE	OFF, ROOM, STAGE, SMALL HALL, MEDIUM HALL, SMALL CHURCH, MEDIUM CHURCH, LARGE CHURCH, CATHEDRAL	SMALL CHURCH	p. 12

■ Preset (P01, P02) Settings

PART	TONE	EQ	TYPE	MUTE	LEVEL	PAN	C.T	F.T	REV	CHO	DRY
1	PIANO 016: Stereo Harpsichord	ON	ton	OFF	100	0	0	0	80	0	127
2	STRINGS 005: Orchestral Strings										
3	STRINGS 013: Contrabass Section										
4	OTHERS 001: Harp										
5	STRINGS 021: Full Chamber Strings										
6	CHOIR 001: Real Choir										
7	STRINGS 028: Bass Pizzicato										
8	STRINGS 001: Expressimo										
9	PIANO 001: Grand MX										
10	r01: Orch. Kit										
11	PIANO 001: Grand MX	ON	ton	P01: ON P02: OFF	100	0	0	0	80	0	127
12											
13											
14											
15											
16											

For more on P01 and P02, refer to **Selecting How the MX-200 is Used** (p. 22).

Demo Song List

1. Hymnus

by Hector Olivera

© 2003 Roland Corporation

An original work composed especially for the MX-200.

Passages with brilliant trumpet tones resound like celestial music.

2. MX-200 Overture

by Hector Olivera

© 2003 Roland Corporation

Another work composed for the MX-200, this is a rhythmically expressive ensemble piece.

Enjoy the interplay of flowing strings entwined with brass and piano sounds.

3. Sinfonia No. 29

by Johann Sebastian Bach (Original Arrangement by Dan Miller)

A typical Bach piece. The characteristic reverberation of the brass makes this piece stand out.

4. Jesu, meine Freude

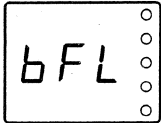
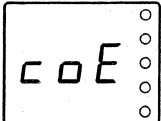
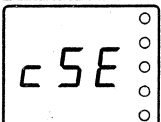
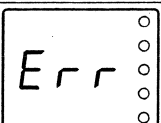
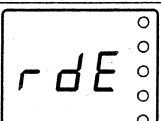
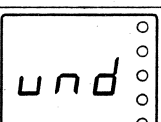
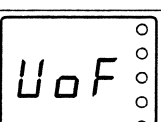
by Johann Sebastian Bach (Original Arrangement by Mauro Goia)

Another example representative of Bach's works. This arrangement begins with soft, quiet tones, then builds as greater numbers of pipes are gradually added.

** All rights reserved. Unauthorized use of this material for purposes other than private, personal enjoyment is a violation of applicable laws.*

Error Messages

An error message appears in the display when an error in operation occurs, or if an operation cannot be processed correctly. When this occurs, continue by following the instructions indicated in the error message.

Display	Situation	Action
	More MIDI messages were received in a short time than could be processed correctly.	Reduce the amount of MIDI messages that are transmitted.
	There is a problem with the MIDI cable connected to the XV-2020's MIDI IN connector or with an external device. However, this message is also displayed when the power for the external device is turned off.	Check to make sure the MIDI cable is firmly and properly connected. Otherwise confirm that there is no short in the MIDI cable (try switching the MIDI cable to check this).
	A system exclusive message that was received had an incorrect check sum value.	Correct the check sum value.
	The MX-200's special expansion board is not installed.	Remove the MX-200's top cover, then check to make sure that the special expansion board is firmly and properly installed in the MX-200.
	A system exclusive message was not properly received. Repeated appearance of this same error message means that there is a problem with the MIDI message.	Check the content of the received system exclusive message.
	USER data has been damaged.	Restore the factory settings with the Factory Reset procedure.
	It is possible that the power has been turned off for the computer connected to the XV-2020's USB connector.	Check the power of the connected computer.
	It is possible that a USB cable has been pulled out or has a short.	Check the USB cable.

Function...		Transmitted	Recognized	Remarks
Basic Channel	Default	X	1-16	
	Changed	X	1-16	
Mode	Default	X	Mode 3	* 2
	Messages Altered	X *****	Mode 3, 4 (M = 1)	
Note Number : True Voice		X *****	0-127 0-127	
Velocity	Note On	X	O	
	Note Off	X	O	
After Touch	Key's	X	O	*1
	Channel's	X	O	*1
Pitch Bend		X	O	*1
Control Change	0, 32	O	O	Bank select
	1	X	O	Modulation
	2	X	O	Breath type
	4	X	O	Foot type
	5	O	O	Portamento time
	6, 38	O	O	Data entry
	7	O	O	Volume
	8	X	O	Balance
	10	O	O	Panpot
	11	X	O	Expression
	64	X	O	Hold 1
	65	O	O	Portamento
	66	X	O	Sostenuto
	67	X	O	Soft
	68	X	O	Legato Foot Switch
	69	X	O	Hold 2
	71	O	O	Resonance
	72	O	O	Release Time
	73	O	O	Attack Time
	74	O	O	Cutoff
	75	O	O	Decay Time
	76	O	O	Vibrato Rate
	77	O	O	Vibrato Depth
	78	O	O	Vibrato Delay
	80	X	O (Tone 1 Level)	General Purpose Controller 5
	81	X	O (Tone 2 Level)	General Purpose Controller 6
	82	X	O (Tone 3 Level)	General Purpose Controller 7
	83	X	O (Tone 4 Level)	General Purpose Controller 8
	84	X	O	Portamento control
	91	O	O (Reverb)	General purpose effects 1
	93	O	O (Chorus)	General purpose effects 3
	1-5, 7-31, 64-95 *3	X	O	CC1, 2 (General purpose controller 1, 2)
	1-5, 7-31, 64-95 *3	X	O	CC3, 4 (General purpose controller 3, 4)
	98, 99	X	X	NRPN LSB, MSB
	100, 101	O	O	RPN LSB, MSB
Program Change : True Number		O *****	O 0-127	*1 Program No. 1-128
System Exclusive		O	O	*5 *1
System Common	: Song Position	X	X	
	: Song Select	X	X	
	: Tune Request	X	X	
System Real Time	: Clock	X	O	
	: Commands	X	X	
Aux Messages	: All Sound Off	X	O (120, 126, 127)	
	: Reset All Controllers	X	O	
	: Local On/Off	X	X	
	: All Notes Off	X	O (123-127)	
	: Active Sensing	O	O	
	: System Reset	X	X	
Notes		* 1 O X is selectable. * 2 Recognized as M=1 even if M≠1. * 3 Can be changed settings. * 4 Transmits when Data Transfer is excuted . * 5 Transmits when Data Transfer is excuted or RQ1 received.		

Mode 1 : OMNI ON, POLY
 Mode 3 : OMNI OFF, POLY

Mode 2 : OMNI ON, MONO
 Mode 4 : OMNI OFF, MONO

O : Yes
 X : No

Specifications

MX-200: ORGAN SOUND EXPANSION

(conforms to General MIDI 2 System)

Parts

16

Maximum Polyphony

64 voices

Wave Memory

128 M Bytes (16-bit linear equivalent)

Expansion Slot

Wave Expansion Board SRX Series: 1 slot

Tones

Organ Tones: 76

Orchestral Tones: 170

GM2/GS Tones: 482

Others: 512

Rhythm sets

Organ/Orchestral Sets: 3

GM2/GS Rhythm Sets: 19

Others: 8

Effects

Chorus

Reverb

4-band Tone Equalizer

Display

7 segments, 3 characters (LED)

Connectors

Headphones Jack (Stereo 1/4 inch phone type)

(USB Connector for service only)

Output Jacks (L (MONO), R) (1/4 inch phone type)

Output Jacks (L, R) (RCA phono type)

MIDI Connectors (IN, OUT, THRU)

DC IN Jack

Ground Terminal

Power Supply

DC 9 V (AC Adaptor)

Current Draw

600 mA

Dimensions

245 (W) x 237 (D) x 45 (H) mm

9-11/16 (W) x 9-3/8 (D) x 1-13/16 (H) inches

(excluding AC Adaptor and Organ Under Brackets)

Weight

1.6 kg / 3 lbs 9 oz

(excluding AC Adaptor and Organ Under Brackets)

Accessories

Owner's Manual

Quick Key Map

AC Adaptor (ACI-120C / ACI-230C / PSB-1U)

Organ Under Bracket x 2

Screw x 4

Rubber Foot x 4

Options

Wave Expansion Board: SRX Series

* A separate publication titled "MIDI Implementation" is also available. It provides complete details concerning the way MIDI has been implemented on this unit. If you should require this publication (such as when you intend to carry out byte-level programming), please contact the nearest Roland Service Center or authorized Roland distributor.

* In the interest of product improvement, the specifications and/or appearance of this unit are subject to change without prior notice.

Index

B

Bank Select 13, 27

C

Chorus 23
Connection 18–20

D

Demo 9, 45

E

EQ 22–23, 44
Equalizer 22

F

Factory Reset 21

G

General MIDI 9, 26, 30, 41
GM2 Mode 26
GS 31

H

Headphones 8, 18

L

LSB 13–14, 27

M

MIDI 8, 10, 13, 25, 47
MIDI Coupler 10–11, 13–14
Mode 9
MR-200 19
MSB 13–14, 27
Mute 14, 23

P

Part 23, 44
PC 13, 27
PHONES 8, 18
Power 9, 18–19, 21
PR-300S 20, 26
Program Change 13, 27

Q

Quick Key Map 14, 42
Quick Key Map Mode 14

R

Reverb 12, 23
Rhythm Set 14, 23, 34

S

Sequencer 16, 24
SRX Series 15

T

Temperament 12
Tone 28
TONE CATEGORY 8
Tremulant 14
Tune 11, 23
Tuning 11

U

USB 8, 25

V

Version 25

W

Wave Expansion Board 15
Write 24

Information

When you need repair service, call your nearest Roland Service Center or authorized Roland distributor in your country as shown below.

AFRICA

EGYPT

Al Fanny Trading Office
9, EBN Hagar Al Askalany Street,
ARD El Golf, Heliopolis,
Cairo 11341, EGYPT
TEL: 20-2-417-1828

REUNION

Maison FO - YAM Marcel
25 Rue Jules Hermann,
Chaudron - BP79 97 491
Ste Clotilde Cedex,
REUNION ISLAND
TEL: (0262) 218-429

SOUTH AFRICA

That Other Music Shop (PTY) Ltd.
11 Melle St., Braamfontein,
Johannesburg, SOUTH AFRICA

P.O.Box 32918, Braamfontein 2017
Johannesburg, SOUTH AFRICA
TEL: (011) 403 4105

Paul Bothner (PTY) Ltd.
17 Werdmüller Centre,
Main Road, Claremont 7708
SOUTH AFRICA

P.O.Box 23032, Claremont 7735,
SOUTH AFRICA
TEL: (021) 674 4030

ASIA

HONG KONG

Rockson Organ Service Company
Unit H, 13/F, Block A Marvel
Industrial Building 25-31 Kwai
Fung Crescent Kwai Chung
N.T. HONG KONG
TEL: 2497 7531

INDONESIA

PT Citra IntiRama
Jl. Cideng Timur No. 15J-150
Jakarta Pusat
INDONESIA
TEL: (021) 6324170

KOREA

Cosmos Corporation
1461-9, Seocho-Dong,
Seocho Ku, Seoul, KOREA
TEL: (02) 3486-8855

PHILIPPINES

G.A. Yupangco & Co. Inc.
339 Gil J. Puyat Avenue
Makati, Metro Manila 1200,
PHILIPPINES
TEL: (02) 899 9801

SINGAPORE

Sonata Music House Pte, Ltd
Blocks 140 Tech Whye Lane,
#02-357, SINGAPORE 680140
TEL: 6765-3174

TAIWAN

ROLAND TAIWAN ENTERPRISE CO., LTD.
Room 5, 9fl. No. 112 Chung Shan
N.Road Sec.2, Taipei, TAIWAN,
R.O.C.
TEL: (02) 2561 3339

AUSTRALIA/NEW ZEALAND

AUSTRALIA

Roland Corporation Australia Pty., Ltd.
38 Campbell Avenue
Dee Why West. NSW 2099
AUSTRALIA
TEL: (02) 9982 8266

NEW ZEALAND

Roland Corporation Ltd.
32 Shaddock Street, Mount Eden,
Auckland, NEW ZEALAND
TEL: (09) 3098 715

CENTRAL/LATIN AMERICA

ARGENTINA

Instrumentos Musicales S.A.
Av. Santa Fe 2035
(1123) Buenos Aires
ARGENTINA
TEL: (011) 4508-2700

BRAZIL

Roland Brasil Ltda
Rua San Jose, 780 Sala B
Parque Industrial San Jose
Cotia - Sao Paulo - SP, BRAZIL
TEL: (011) 4615 5666

COSTA RICA

JUAN Bansbach Instrumentos Musicales
Ave.1. Calle 11, Apartado 10237,
San Jose, COSTA RICA
TEL: 258-0211

CHILE

Comercial Fancy II S.A.
Rut.: 96.919.420-1
Nataliel Cox #739, 4th Floor
Santiago - Centro, CHILE
TEL: (02) 688-9540

EL SALVADOR

OMNI MUSIC
75 Avenida Norte y Final
Alameda Juan Pablo II,
Edificio No.4010 San Salvador,
EL SALVADOR
TEL: 262-0788

MEXICO

Casa Veerkamp, s.a. de c.v.
Av. Toluca No. 323, Col. Olivar
de los Padres 01780 Mexico D.F.
MEXICO
TEL: (55) 5668-6699

PANAMA

SUPRO MUNDIAL, S.A.
Boulevard Andrews, Albrook,
Panama City, REP. DE PANAMA
TEL: 315-0101

PARAGUAY

Distribuidora De Instrumentos Musicales
J.E. Olea y ESQ. Manduvira
Asuncion PARAGUAY
TEL: (021) 492-124

URUGUAY

Todo Musica S.A.
Francisco Acuna de Figueroa 1771
C.P.: 11.800
Montevideo, URUGUAY
TEL: (02) 924-2335

VENEZUELA

Musicland Digital C.A.
Av. Francisco de Miranda,
Centro Parque de Cristal, Nivel
C2 Local 20 Caracas
VENEZUELA
TEL: (212) 285-8586

EUROPE

AUSTRIA

Roland Austria GES.M.B.H.
Siemensstrasse 4, P.O. Box 74,
A-6063 RUM, AUSTRIA
TEL: (0512) 26 44 260

BELGIUM/HOLLAND/LUXEMBOURG

Roland Benelux N. V.
Houtstraat 3, B-2260, Oevel
(Westerlo) BELGIUM
TEL: (014) 575811

CZECH REP.

K-AUDIO
Kardasovska 626,
CZ-198 00 Praha 9,
CZECH REP.
TEL: (2) 666 10529

DENMARK

Roland Scandinavia A/S
Nordhavnsvej 7, Postbox 880,
DK-2100 Copenhagen
DENMARK
TEL: 3916 6200

FRANCE

Roland France SA
4, Rue Paul Henri SPAAK,
Parc de l'Esplanade, F 77 462 St.
Thibault, Lagny Cedex FRANCE
TEL: 01 600 73 500

FINLAND

Roland Scandinavia As, Filial Finland
Elannontie 5
FIN-01510 Vantaa, FINLAND
TEL: (09) 68 24 020

GERMANY

Roland Elektronische Musikinstrumente HmbH.
Oststrasse 96, 22844 Norderstedt,
GERMANY
TEL: (040) 52 60090

GREECE

STOLLAS S.A. Music Sound Light
155, New National Road
Patras 26442, GREECE
TEL: 2610 435400

HUNGARY

Roland East Europe Ltd.
Warehouse Area 'DEPO' Pf.83
H-2046 Torokbalint, HUNGARY
TEL: (23) 511011

IRELAND

Roland Ireland
G2 Calmount Park, Calmount
Avenue, Dublin 12
Republic of IRELAND
TEL: (01) 4294444

ITALY

Roland Italy S. p. A.
Viale delle Industrie 8,
20020 Arese, Milano, ITALY
TEL: (02) 937-78300

NORWAY

Roland Scandinavia Avd. Kontor Norge
Lilleakerveien 2 Postboks 95
Lilleaker N-0216 Oslo
NORWAY
TEL: 2273 0074

POLAND

MX MUSIC SP.Z.O.O.
UL. Gibraltarska 4,
PL-03664 Warszawa POLAND
TEL: (022) 679 44 19

PORTUGAL

Tecnologias Musica e Audio, Roland Portugal, S.A.
Cais Das Pedras, 8/9-1 Dto
4050-465 PORTO
PORTUGAL
TEL: (022) 608 00 60

ROMANIA

FBS LINES
Piata Libertatii 1,
535500 Gheorgheni, ROMANIA
TEL: (266) 364 609

RUSSIA

MuTek
3-Bogatyrskaya Str. 1.k.1
107 564 Moscow, RUSSIA
TEL: (095) 169 5043

SPAIN

Roland Electronics de España, S. A.
Calle Bolivia 239, 08020
Barcelona, SPAIN
TEL: (93) 308 1000

SWEDEN

Roland Scandinavia A/S SWEDISH SALES OFFICE
Danvik Center 28, 2 tr.
S-131 30 Nacka SWEDEN
TEL: (08) 702 00 20

SWITZERLAND

Roland (Switzerland) AG
Landstrasse 5, Postfach,
CH-4452 Itingen,
SWITZERLAND
TEL: (061) 927-8383

UKRAINE

TIC-TAC
Mira Str. 19/108
P.O. Box 180
295400 Munkachevo, UKRAINE
TEL: (03131) 414-40

UNITED KINGDOM

Roland (U.K.) Ltd.
Atlantic Close, Swansea
Enterprise Park, SWANSEA
SA7 9FJ,
UNITED KINGDOM
TEL: (01792) 702701

MIDDLE EAST

BAHRAIN

Moon Stores
No.16, Bab Al Bahrain Avenue,
P.O.Box 247, Manama 304,
State of BAHRAIN
TEL: 211 005

CYPRUS

Radex Sound Equipment Ltd.
17, Diagorou Street, Nicosia,
CYPRUS
TEL: (022) 66-9426

IRAN

MOCO, INC.
No.41 Nike St., Dr.Shariyati Ave.,
Roberoye Cerah Mirdamad
Tehran, IRAN
TEL: (021) 285-4169

ISRAEL

Halilit P. Greenspoon & Sons Ltd.
8 Retzif Ha'aliya Hashnya St.
Tel-Aviv-Yafo ISRAEL
TEL: (03) 6823666

JORDAN

AMMAN Trading Agency
245 Prince Mohammad St.,
Amman 1118, JORDAN
TEL: (06) 464-1200

KUWAIT

Easa Husain Al Yousifi Est.
Abdullah Salem Street,
Safat, KUWAIT
TEL: 243-6399

LEBANON

Chahine S.A.L.
Gerge Zeidan St., Chahine Bldg.,
Achrafieh, P.O.Box: 16-5857
Beirut, LEBANON
TEL: (01) 20-1441

QATAR

Al Emadi Co. (Badie Studio & Stores)
P.O. Box 62, Doha, QATAR
TEL: 4423-554

SAUDI ARABIA

aDawlah Universal Electronics APL
Corniche Road, Aldossary Bldg.,
1st Floor, Alkhobar,
SAUDI ARABIA

P.O.Box 2154, Alkhobar 31952
SAUDI ARABIA
TEL: (03) 898 2081

SYRIA

Technical Light & Sound Center
Khaled Ebn Al Walid St.
Bldg. No. 47, P.O.Box 13520,
Damascus, SYRIA
TEL: (011) 223-5384

TURKEY

Ant Muzik Aletleri Ithalat Ve Ihracat Ltd Sti
Siraselvilir Caddesi Siraselvilir
Pasaji No:74/20
Taksim - Istanbul, TURKEY
TEL: (0212) 2499324

U.A.E.

Zak Electronics & Musical Instruments Co. L.L.C.
Zabeel Road, Al Sherouq Bldg.,
No. 14, Grand Floor, Dubai, U.A.E.
TEL: (04) 3360715

NORTH AMERICA

CANADA

Roland Canada Music Ltd. (Head Office)
5480 Parkwood Way Richmond
B. C., V6V 2M4 CANADA
TEL: (604) 270 6626

Roland Canada Music Ltd. (Toronto Office)

170 Admiral Boulevard
Mississauga On L5T 2N6
CANADA
TEL: (905) 362 9707

U. S. A.

Rodgers Instrument LLC
1300 N. E. 25th Avenue,
Hillsboro, Oregon 97124,
U. S. A.
TEL: (503) 648 4181



This product complies with the requirements of European Directive 89/336/EEC.

For EU Countries

FEDERAL COMMUNICATIONS COMMISSION RADIO FREQUENCY INTERFERENCE STATEMENT

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

Unauthorized changes or modification to this system can void the users authority to operate this equipment.
This equipment requires shielded interface cables in order to meet FCC class B Limit.

For the USA

NOTICE

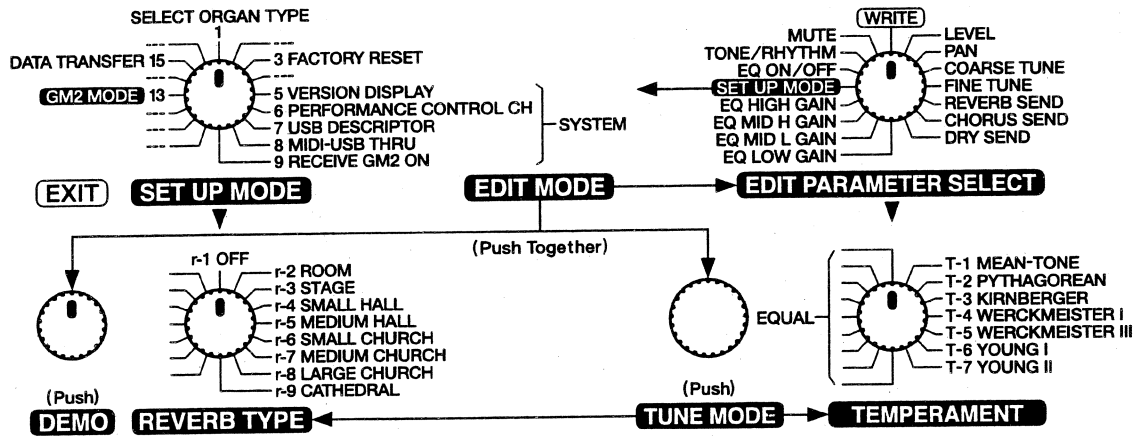
This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

AVIS

Cet appareil numérique de la classe B respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

For Canada

Control Guide



MX-200 Quick Key Map

Use the map below to find the instrument you wish to use and then send the appropriate Variation Select (MSB) and Program Change message for that instrument.

To send a program change from a Rodgers Classic Organ™, hold [SET] and press the MIDI piston you wish to program. As the piston flashes, press the key or pedal which corresponds to the voice you wish to select.

To use the MX-200 Quick Key Access with a Rodgers organ, the organ's MIDI coupler must also be set using the organ's Alpha Dial and Select Knob:

- For Rodgers Trillium organs: set MSB to 65–69 as shown on the map, and set LSB to 0.
- For Rodgers non-Trillium organs: set VAR to 65–69 as shown on the map.

CHOIR (3 Manual) / GREAT (2 Manual)

Capital Tone (MSB: 65)	PC	Variation 1 (MSB: 66)	Variation 2 (MSB: 67)	Variation 3 (MSB: 68)	Variation 4 (MSB: 69)
Pop Piano MX	1	Warm pF Mix			
Y2K Concerto	2	Sparkle Piano	Honky Tonk MX		
Rholitzer	3	Piano + Strings	Piano + Soft Pad		
Stacc.Heaven	4	Stage 73	Hit Rhodes		
Harpichord F/B/B4	5	Smooth Rhodes	Mr.Mellow		
MX Glocken	6	Morning Lite	Air Pad	Glistening	Phazweep
Warm Vibes	7	Harpichord Front	Harpichord Back		
Dyna Marimba	8	Harpichord F4/B			
Tubular Bells	9	Celestabox			
Soft Perky	10	Holiday Cheer	2020 Bell		
Ballad B	11	2.2 Bell Pad			
MX Church Organ 1	12	True Vibe	Ambience Vibe		
Cathedral	13				
MX Accordion	14				
Soft Nylon	15	Belfry Chime			
Jazz Guitar Hall	16	Church Bell	Chime Bells		
Chamber Quartet	17	Soft B	Rocker Spin		
Lead 4x Violins	18	Perky B	Gospel Spin		
Contrabass Section	19	D-50 Organ	Full Stops		
Nylon Bass	20	MX Church Organ 2	MX Church Organ 3		
Basic Fretless	21	Church Harmony			
Timpani Roll	22	Harmo Blues			
Full Orchestra	23				
Warm Violin	24				
Slow Violin/Cello	25	Nylon Guitar	Nice Guitar	Guitar & Pad	Desert Crystal
Violin/Cello 1	26	Thick Steel			
Orchestral Pizzicato	27	Baroque 1			
MX Timpani 2	28	Full Chamber Strings			
Strings Ensemble	29	Expressimo			
Lush Strings 2	30	Orchestral Strings			
Real Choir	31	Octave Strings 1	Slow Octave Strings		
Boys Choir Ooh	32	Octave Strings 2			
Valve Job	33	MX Acoustic Bass			
Mild Trombone	34	Pop Bass			
Cup Mute	35	Tap Bass			
French Horn Section	36	MX Fretless			
	37				
	38	Soft Symphony			
	39	My Orchestra			
	40				
	41				
	42	Baroque 2			
	43	Warm Cello			
	44	Violin/Cello 2			
	45				
	46	Bass Pizzicato	Full Pizzicato mp		
	47				
	48	MX Timpani 1	Orchestral Percussion Set		
	49	Marcato			
	50	Ultra Smooth			
	51	Fat Strings			
	52	Film Octaves	Wide Strings		
	53	Stereo Choir	Spaced Vox		
	54	Boys Choir			
	55	Slow Dark Brass			
	56	Ceremonial			
	57	Mellow Horn			
	58	Trombone			
	59				
	60	Harmon Mute			
	61	Soft Horns	Bright Horn		

LSB: 0

GREAT (3 Manual) / SWELL (2 Manual)

Capital Tone (MSB: 65)		PC	Variation 1 (MSB: 66)	Variation 2 (MSB: 67)	Variation 3 (MSB: 68)
Fanfare	Orchestral Brass	62	New R&R Brass		
Massed Horns	Soprano Sax mf	63	Soaring Horns		
Alto Sax		64			
MX DynoTenor	Full Saxz	65	Solo Alto Sax	Breathy Sax	
Oboe Vibrato	English Horn	66	Swingin' Bari		
Bassoon/English Horn	MX Clarinet	67	Sax Choir		
Bass Clarinet		68	Oboe mf		
		69	Swell Ensemble		
Tender Flute	Soprano Recorder	70			
Wind Wood	Chamber Woods	71	Clarinet mp		
Pan Pipes		72			
32' Contra Violone	32' Untersatz	73	Flute	Fifes	
32' Bazuin	32' Posaune	74	MX Ocarina		
16' Posaune	32' Contre Geigen	75	Wood Symphony		
16' Montre		76	Wind Multi	The Andes	
16' Pommer	10-2/3' Gross Quint	77	Lochscapes		
8' First Diapason	8' Second Diapason	78			
8' Harmonic Flute	4' Major Flute	79	21-1/3' Grave Diapente	5-1/3' Gross Quint	3-1/5' Gross Terz
8' Quintadena	IV Fourniture	80	8' Voce Umana II		
1' Sifflute	II Sesquialtera	81	8' Second Diapason (w/T)	8' Voce Umana II	Principal Chorus 8', 4', 2'
IV Scharf		82	8' Harmonic Flute (w/T)		
IV Cornet 4'		83	8' Quintadena (w/T)	16' Quintadena	
16' Cello Celeste II	16' Erzahler Celeste II	84	4' Major Flute (w/T)		
16' Viols Chorus II	8' Cello Celeste II	85	8/9' None		
8' Muted Viols II	4' Violina Celeste II	86	IV Grave Mixture	IV Echo Mixture	
8' Viols Chorus IV	4' Flute Celeste II	87	II Jeu de Clochette		
4' Erzahler Celeste II	8' Cor d'Amour	88	II Sesquialtera (w/T)		
8' French Horn		89	IV Cornet 4' (w/T)		
8' English Horn		90			
8' Vox Humana	16' Royal Trumpet	91			
8' Royal Trumpet	8' Royal Tuba	92			
16' Tibia Clausa		93			
8' Tibia Clausa	Tibias 8', 4'	94			
4' Tibia Piccolo	2-2/3' Tibia Twelfth	95			
2' Tibia Piccolo	8' Vox Humana	96			
8' Kinura		97			
16' Posthorn		98			
		99			
		100			
		101			
		102			
		103			
		104			
		105			
		106			
		107			
		108			
		109			
		110			
		111			
		112			
		113			
		114			
		115			
		116			
		117			
		118			
		119			
		120			
		121			
		122			

* $w/T = w$ with Trem

LSB: 0

SWELL (3 Manual) / PEDAL (2 Manual)

Capital Tone	(MSB: 65)	PC
Concert Bass Drum	Snare Roll	123
Orchestral Snare	Crash Cymbal	124
Ride Cymbal		125
Triangle		126
		127
		128

 Roland®

72349690

UPC

72349690



10981

Roland