

418

EIGHT CHANNEL PERSONAL MIXER WITH EQ AND DIRECT OUTS



The ART Model 418 Eight Channel Personal Mixer provides eight channels of basic mic/line mixing capability in a convenient, easy-to-use rack format. The unit features a selection of XLR mic and 1/4 inch unbalanced line inputs with LEVEL and TONE controls. Additionally, phantom power is also available, and is switch-selectable on each mic input. Each line input can be converted internally to a line output for that channel.

Two 418's can be patched together via their Pre-Fade Out and Aux in jacks so that one is slaved to the other for up to 16 channels with one master level.

Usage

- a) Connect the AC cord to a grounded 120VAC socket.
- b) Connect low-impedance mics to the XLR sockets.
- c) Connect shielded unbalanced line inputs to the 1/4" jacks.
- d) For mic channels requiring phantom power (for condenser mics) set the appropriate PHANTOM POWER DIP switches in the down position. Do not engage phantom power on a channel unless it is for a condenser microphone.
- e) Switch on the power and set the MASTER LEVEL to the 1/2 way setting, then adjust the channel LEVEL controls as required for the best mix and level. Adjust the channel TONE controls for the desired balance of lows and highs. Center setting is approx. neutral.
- f) Re-adjust the MASTER LEVEL as required for best signal level.
- g) To inter-connect two 418s for 16 channels, run a shielded, unbalanced patch cable from the PRE-FADE OUT jack on mixer A to the AUX BUS IN jack on mixer B. Note that only the MASTER LEVEL on mixer B will now function.
- h) To convert the line input on a channel to a line output, unplug the 418's AC cord from the wall and remove the top plate. Inside you will see a row of jumpers. Move the jumper for the desired channel to pins 2 & 3. Now that channel's line input is converted to a line output and may be connected to the input of another mixer. Do not connect the output of a mixer or any other signal source here now or the unit may sustain damage. Be sure to replace the lid before plugging the unit back into the AC socket.

418 FEATURES:

- ✓ Eight mic/line channels each with its own LEVEL and TONE control
- ✓ Eight sets of balanced XLR mic inputs and 1/4 inch unbalanced line inputs
- ✓ Eight PHANTOM POWER DIP switches, one for each mic input
- ✓ LEVEL MASTER 1/4 inch balanced MAIN OUT jack
- ✓ An RCA-type PRE-FADE OUT jack (not regulated by the MASTER VOLUME) can be connected to another 418 via its AUX BUS IN jack
- ✓ An RCA-type AUX BUSS IN jack lets you insert the output of another 418

APPLICATIONS:

- Live Sound Systems / PA
- Permanent/ Fixed Installations
- Church, Club and Practice PA Systems
- DJ Sound Systems
- Monitor Systems
- Home and Project Recording Studios

418 SPECIFICATIONS

Input Impedance:	600 ohms Mic, 18K ohms Line, 10k ohms Aux. Bus In
Max. Input Level:	-23dBV Mic, +22dBV Line
Phantom Power:	12VDC
Output Level:	+17dBV max
Output Impedance:	51 ohms
Max. Gain:	69dB Mic, 26dB Line
Signal to Noise:	106dB max
THD:	<0.003%
CMRR:	>52dB (mic)
Phase Shift:	<10 degrees, 20 kHz
Dimensions:	19" x 1.75" x 6" (482mm x 44.5mm x 152mm)
Weight:	6.3 lb. (2.9kg)

From the innovative minds at ART.

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