

416

SIX CHANNEL PERSONAL MIXER WITH EQ AND EFX



The ART Model 416 Six Channel Personal Mixer quickly and easily combines six sources – three microphones (or balanced line inputs) and three stereo line inputs into a single stereo line-level mix. It has effects patching and phantom power (included to activate condenser microphones or active DI boxes).

Usage

- Connect the AC cord to a grounded 120VAC socket.
- Connect mics or balanced line inputs to the XLR sockets.
- For mic channels requiring phantom power (for condenser mics), press the DIP switch down to activate phantom power to the appropriate XLR jack.
- Set the MIC/LINE buttons as required for each type of input signal.
- Connect stereo signal sources (tape deck, CD, etc.) to the SOURCE INPUTS using RCA-tipped unbalanced cables.
- To patch-in effects, using three shielded TS (unbalanced) cables, connect the EFX LOOP SEND jack to the input of the effects unit and the unit's stereo outputs to the LEFT and RIGHT EFX LOOP RETURN jacks. Once the 416 is connected to the main mixer, tape deck or computer sound card and you are running a test, set the EFX LOOP IN/OUT button on the front panel to the IN position and adjust the LEVEL control for the desired effects intensity.
- The L and R EFX LOOP RETURN jacks may alternately be used as a stereo line input with its own level control and in/out button.
- Connect either the 1/4 inch LEFT and RIGHT OUT jacks or the RCA REC OUT jacks to the input of the mixer, tape deck or computer with the appropriate unbalanced, shielded cables.
- 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 while checking the MICROPHONE channel CLIP LEDs for activity. Turn down any channel with CLIP activity until it stops.
- Adjust BASS and TREBLE controls for the desired balance. Center setting is neutral.
- Re-adjust the MASTER LEVEL as required for best signal level.

416 FEATURES:

- ✓ Three XLR MIC/line inputs each with its own LEVEL control and CLIP LED
- ✓ Three MIC/LINE input level selector buttons, one for each XLR input
- ✓ Three PHANTOM POWER DIP switch selectors, one for each XLR input
- ✓ Three sets of L and R RCA SOURCE INPUTS each with its own LEVEL control
- ✓ BASS and TREBLE master controls
- ✓ LEVEL MASTER
- ✓ 1/4 inch EFFECTS SEND and L and R RETURN jacks
- ✓ EFX LOOP LEVEL control and IN/OUT push button

APPLICATIONS:

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

416 SPECIFICATIONS

Input Impedance:	Mic 600 ohms / XLR LINE 22K ohms SOURCE RCA INPUTS 22K ohms
FX LOOP	L and R RETURN 22K Ohms (unbalanced)
Max. Input Level:	XLR -10dBV MIC level/+20dBV LINE level, SOURCE RCAs 24dBV
Phantom Power:	12VDC
Output Level:	+17dBV
Output Impedance:	51 ohms
Max. Gain:	55dB MIC, 26dB SOURCE EQ: +/- 12dB
Dynamic Range:	82dB
Dimensions:	19" x 1.75" x 6" (482mm x 44.5mm x 152mm)
Weight:	6.1 lb. (2.8kg)

From the innovative minds at ART.

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