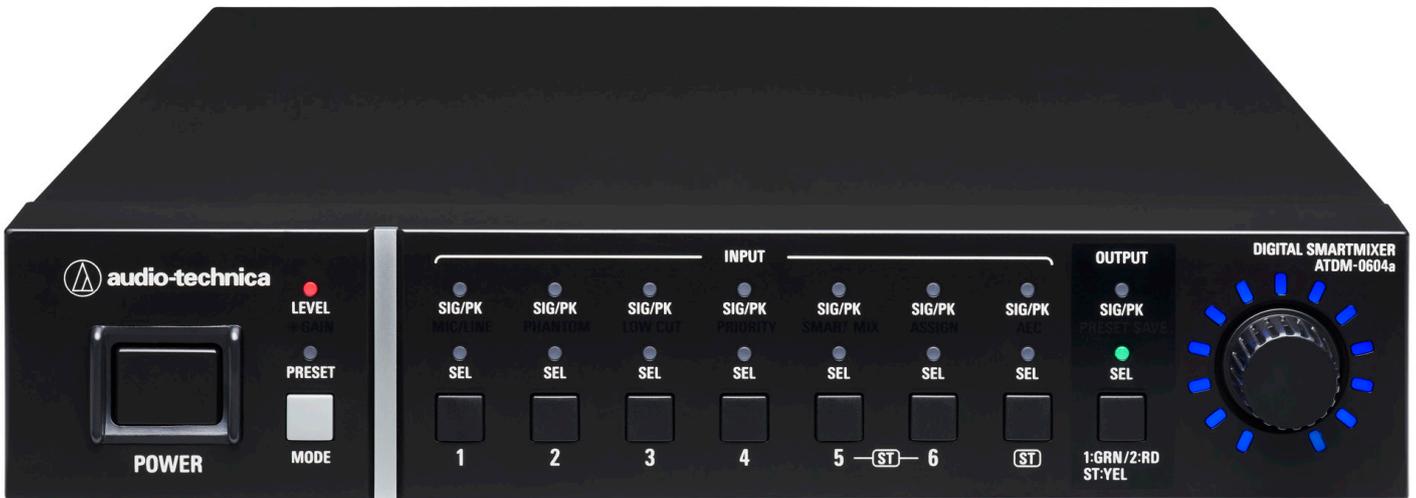




# ATDM-0604a

## Digital SmartMixer®



### Overview

Introducing Audio-Technica's new ATDM-0604a Digital SmartMixer® with advanced functionality for use in a wide variety of applications, from meeting spaces to educational facilities. Incorporating user feedback, the enhanced functions of this model bring improved performance for online or live meetings. The main performance improvements and enhancements over the previous model are as follows:

- Improved echo and noise-cancellation performance
- Remote LED control of ES954 hanging microphone array via the GPO terminal
- Ability to cascade up to eight mixers, allowing them to share audio buses and SmartMix controls
- Expanded compatibility with a wide variety of Audio-Technica LINK-enabled products
- Mic/line level support for input channels 1 to 6

### Features

- 6 mic/line inputs and 1 unbalanced stereo input
- 2 balanced outputs and 1 unbalanced stereo output
- USB audio input/output (1 stereo input, 1 stereo output)
- Remote LED control of ES954 hanging microphone arrays using the GPO terminal
- SmartMixer® with selectable gain sharing or gate mode
- High-performance echo canceler for each input channel
- Noise cancellation that can be assigned to any output channel
- Built-in 4-band EQ and compressor/de-esser for each input channel
- Eight 8-band feedback suppressors that can be assigned to mic/line inputs and any output channel
- Built-in 12-band PEQ, compressor, and limiter for each output channel
- Dedicated Audio-Technica LINK terminals, compatible with a wide variety of Audio-Technica LINK-enabled products
- Audio input/output settings can be configured from the front panel in applications where a computer is not available
- Advanced settings can be configured using the web browser or Smart Mixer Manager app GUI in applications with a computer
- IP Protocol-based external remote control





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### Audio

<b>Frequency characteristics</b>	20 Hz to 20 kHz (MIC -16 Bu): +1.0 / -1.0 dB 20 Hz to 20 kHz (MIC -60 dBu): +1.0 / -2.0 dB 20 Hz to 20 kHz (LINE 24 Bu): +1.0 / -1.0 dB 20 Hz to 20 kHz (LINE -40 dBu): +1.0 / -2.0 dB
<b>Dynamic range</b>	110 dB or higher, A-weighted/ST
<b>S/N ratio</b>	90 dB or higher, A-weighted/ST
<b>Headroom</b>	20 dB or higher
<b>Input referred noise</b>	-126 dBu or less, $R_s = 150 \text{ ohm}$ , DIN
<b>Common-mode rejection ratio</b>	80 dB or higher, 1 kHz
<b>Residual noise</b>	-86 dBu or less, A-weighted
<b>Maximum gain</b>	64 dB
<b>Channel separation</b>	-80 dB or less, 1 kHz unity
<b>Total harmonic distortion</b>	0.03% or less, 1 kHz unity
<b>Analog input</b>	MIC 1 to 6 max.: 0 dBu MIC 1 to 6 unity: -40 dBu LINE 1 to 4 max.: +10 dBV LINE 1 to 4 unity: -10 dBV LINE 5 to 6 max.: +24 dBu LINE 5 to 6 unity: +4 dBu / 0 dBV / -10 dBV / -20 dBV ST max.: +10 dBV ST unity: -10 dBV / -20 dBV
<b>Analog output</b>	UNBAL max.: +10 dBV / -13 dBV UNBAL unity: -10 dBV / -33 dBV BAL 1/L, 2/R max.: +24 dBu / +20 dBV / +10 dBV BAL 1/L, 2/R unity: +4 dBu / 0 dBV / -10 dBV

### Other

<b>Phantom power</b>	+48V DC
<b>PAD (Attenuation level)</b>	-24 dB
<b>I/O connector</b>	INPUT ST: Euroblock connectors (3-pin) INPUT MIC/LINE 1 to 6: Euroblock connectors (3-pin) OUTPUT UNBAL: Euroblock connectors (3-pin) OUTPUT BAL 1/L, 2/R: Euroblock connectors (3-pin) GPO: Euroblock connectors (3-pin)
<b>Level indicator</b>	SIGNAL/PEAK: 1 point (Red/Yellow/Green) Peak indicate (red): -5 to 0 dB Peak hold time: 2 sec.
<b>Remote control</b>	IP protocol: RJ-45 x 1 pc IP address: 192.168.33.10 (factory default) Communication speed: 100 Mbps
<b>Network</b>	IP protocol: RJ-45 x 1 pc
<b>Link I/O</b>	Audio-Technica LINK: RJ-45 x 4 pcs Communication speed: 100 Mbps
<b>USB Type B</b>	Channel: Stereo input x 1 ch, stereo output x 1 ch (24-bit) Communication speed: High-speed (480 Mbps)
<b>A/D converter</b>	Resolution: 24-bit Dynamic range: 115 dB
<b>D/A converter</b>	Resolution: 24-bit Dynamic range: 115 dB
<b>Accessories</b>	Euroblock connector x 11 Rack-mount (large, small) Rack-mount screw x 6 Power cable Rubber foot x 4



### Specifications

<b>Dynamic range / S/N ratio</b>	100 to 240 V AC (50/60 Hz)
<b>Power consumption</b>	17 W
<b>Operating temperature range</b>	0 to 40°C (32 to 104°F)
<b>Operating humidity range</b>	25 to 85% (with no condensation)
<b>Dimensions (including protrusions)</b>	219.3 mm (8.6") x 346.3 mm (14") x 44 mm (1.7") (WxDxH)
<b>Weight</b>	1.89 kg (4.2 lbs)
<b>Finish</b>	Front panel: Black with silver lines op/rear/sides: Black