

AIRMATE-USB WEBSITE DATA

DESCRIPTION

We designed the Airmate-USB to fulfil the requirements for a high grade low cost radio production mixer. Built around well proven low noise circuitry, this console is the reliable workhorse for the self-op production D.J. that needs an internal Telephone Hybrid (2x) and 2x USB connection to the PC (e.q. for streaming to the web) A heavy duty 19" rack mounted RF shielded chassis houses 8 vertical triple input modules giving flexibility rarely found in a mixer of this type.

Six input channels with high quality balanced microphone inputs on XLR and two stereo line level inputs on Cinch (RCA) connectors. And... every line level line B input can be converted into a phono (gramophone) channel by simply fitting an optional stereo R.I.A.A. equalized phono pre-amp. On top of this we have added 4 Mic inserts for processing equipment..

FEATURES:

- 6 balanced Mic inputs with 3 band EQ and inserts for voice processors.
- 12 stereo line inputs where every line B input can accept our RIAA pre-amp pcb to work with turntables..
- 2 USB stereo inputs (for radio play-out systems, such as our AIRCAST).
- 2 Telephone Hybrids built in with RJ 11 connectors for phones and land lines.
- Fader and On start on all 8 channels.
- ON-AIR light switching built in.
- Built in Talkback mic with routing to Clean-feed, Aux and/or Announcer outputs.
- Auto Control Room Monitor cut when in DJ mode.

SPECIFICATIONS

INPUTS

Mic inputs	: balanced 2kOhm, XLR.
Phantom	: +48 volt.
Noise	: - 122 dB (A-weighted).
Sensitivity	: - 70dB min, OdB max.
Insert	: Jack unbal. send 600 Ohm, -10dBV.
Return	: unbalanced 10kOhm -10dBv.
Line inputs	: unbal., 10kOhm, Cinch.
Gain:	range of 40dB.
Phono inputs	: unbal. 47kOhm, 5 mV.
USB	: 2x Stereo in and 2x stereo Program out.
2 Track return	: - 10 dBV at 10kOhm.
Aux returns	: - 10 dBv at 10kOhm stereo

USB

Fully compliant with USB 2.0 playback and record mode. 2x Stereo in and main stereo left right signal on both USB connectors

HID Functions: Volume/Mute

TELEPHONE HYBRIDS

RJ-11 connectors for phone line/dialler

Mix Minus rejection @1kHz -30dB.

OUTPUTS

Left/Right	: + 4 dBu bal. XLR.
Monitor/Aux	: + 4dBu unbal. on Cinch.
Cleanfeed/Announcer	: + 4dBu, Jacks.
Tape outp	: -10dBv, unbal. Cinch.
Headphone	: 16-600 Ohm, Jack.
Announcer	: 16-600 Ohm, Jack.
USB out	: Main program stereo signal

EQUALIZER

High : + / -12 dB at 12kHz shelving.
Mid : + / -12dB at 1 kHz bell curve.
Low : + / -12dB at 60 Hz bell curve.

OVERALL

Frequency response : 10 - 60.000Hz.
Distortion : < 0.009% max at 1 kHz.
Start switch : opto coupler.
Ledbars : 21 segment.
Power consumption : 30VA 90-240volt 50/60Hz

Optional: AES-3 Program outputs.

DIMENSIONS

Left-Right 19" rack mount : (482mm width)
Front-Back : 356mm (8HE).
Height : 95mm.
Space below front panel : 20mm for table top. Weight: 11 kg.
For Drop through mounting cut a hole of 450 x 330 mm (console height is 95mm)

VIDEO

<https://www.youtube.com/watch?v=niitM5G2I7Q>

<http://www.youtube.com/watch?v=jm1Ml83qVDA&feature=&p=0F64CADBEC8FC00F&index=0&playnext=1>

<http://www.youtube.com/watch?v=KpNyWCQjwUA>

<http://www.youtube.com/watch?v=6R1Tf88NZxk>

DOWNLOADS

<http://www.d-r.nl/assets/2017-airmate-usb.pdf>

<http://www.d-r.nl/assets/airmate-usb-blockdiagram.pdf>

<http://www.d-r.nl/assets/airmate-usb-manual-2.11-smd.pdf>

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