AIRMATE-USB

The Airmate-USB is a versatile and robust solution for radio production mixing, particularly suitable for self-operated DJs. Its blend of low noise circuitry and comprehensive features, including internal Telephone Hybrids, USB connectivity, and rack-mounted design, positions it as a reliable tool for broadcasting needs. One notable aspect is its flexibility, with 8 vertical triple input modules providing extensive input options. The inclusion of six input channels with balanced microphone inputs and stereo line level inputs caters to various audio sources, while the option to convert line level inputs into phono channels with an R.I.A.A. equalized phono pre-amp enhances its adaptability. Additionally, the provision of four Mic inserts for processing equipment expands its capabilities further, allowing users to integrate additional effects or signal processing into their productions seamlessly. Overall, the Airmate-USB appears to strike a balance between performance, versatility, and affordability, making it a compelling choice for radio production professionals and DJs alike.

MIC, LINE, USB AND TELEPHONE IN-OUTPUTS

This new Airmate-USB 8 channel model has 6 balanced mic inputs (+48 phantom is standard) with inserts for signal processors, 12 stereo line inputs, 2x USB and 2x build in Telephone Hybrids. An optional VoIP channel board converts the Airmate into a VoIP channel. There is also a WiFi Wireless Phone Channel board available soon.

Channel 5 and 6 have Mic/Line and USB interface to transfer audio from and to your PC. Channel 7 and 8 have, apart from the stereo line input, also RJ-11 connectors to interface with a POT line and a telephone unit. High quality built in Hybrids with R and C balance and direct Talk back to the Hybrid channels makes a conversation with listeners very easy. The front panel ON switch is wired in series with the built in faderstart enabling selection of start either by fader or via the ON switch. Faderstart generates in the Mic mode a Mic-on signalling to switch on ON-Air lights. There is a 3 band Equalizer on channel 1-6. The stereo Aux send can be set pre or post fader. All mic inputs have low cut jumpers. A clean feed send is available for external Hybrids.

DESIGNED FOR RADIO

The Airmate-USB has the usual master controls such as stereo master faders, stereo Aux send and return, monitor master with "follow phones" and a phones output with a split control function. There is a balance control to continuously adjust the volume between main output and stereo Cue signal. In addition, there is a special Radio On-air/production section featuring; Self-op switching to automatically cut control room level when the D.J. mic is active; a Clean feed output to also drive an external Telephone Hybrid for talk shows and interviews.

If you need more Hybrid channels than the 2 built in ones we have designed a cleanfeed output for external Hybrids.

A special announcer output that normally follows main output but can be switched so that the main output, or any cue signal that is selected, can be heard when in the "follow phones" mode.

A large Talkback switch activates the built-in electret microphone for easy communication with the Clean-feed output, Aux output and/or Announcer output.

NOW IS THE TIME TO INSTALL YOUR OWN ON-AIR | PRODUCTION ROOM | WEBRADIO

The Airmate-USB is designed to be the focal point for local radio production work in the studio or at home. It's comprehensive, yet understandable features make it the ideal companion for rapid on-the-spot radio programmes. Small, reliable and 19" rack mounting ideal for production rooms. It can also double as an On-Air mixer or implemented in your own Internet Radio station. If your budget is tight, it never becomes obsolete as it can revert to production use, if, at a later date you fit in a larger On-Air mixer.

SUMMARY

Thanks for reading this overview of the Airmate-USB on-air console. It is an impressive piece of equipment with its versatile features and reliability. For those interested in learning more or exploring its potential further, reach out to our offices, local dealers, or visiting the Airmate-USB product page would be the next step. If there are any specific questions or details you'd like to highlight, feel free to share, and we'll be happy to assist further!

SPECIFICATIONS
INPUTS
Mic inputs: balanced 2kOhm, XLR.
Phantom: +48 volt.
Noise: - 128 dBr (A-weighted).
Sensitivity: - 70dB min, 0dB 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 output: -10dBv, unbal. Cinch.
Headphone: 16-600 Ohm, Jack.
Announcer: 16-600 Ohm, Jack.
USB out: Main program stereo signal
AES/EBU: Output level: 0dBu = -9dBFS)
(44.1kHz) (optional).

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 FET.
Ledbars: 2x 21 segment.
Ac input range: 85Volt AC up to 264Volt.
Power consumption: 36VA.

OPTIONS
Optional: AES-3 Program outputs.
VoIP channels.
WiFi channels (soon)
Studio remote unit.

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).

HEADOFFICE
D&R Electronica b.v.
Rijnkade 15-b
1382 GS WEESP
Netherlands
Phone: +31 (294) 418 014
Website: www.dnrbroadcast.com

Backpanel