

HB-MA2 Dual Microphone Amplifier

The HB-MA2 is a dual channel professional studio microphone stage with Low Frequency Filter. Perfect for studio recording in direct to tape or hard disk recorder, the audio quality surpasses that found in most professional mixing consoles.

Each microphone XLRF balanced input features switchable 48V Phantom Power and Input Gain control. A balanced, line-level XLRM output with -60dB attenuator provided for each Channel.

Easy Operation

The front panel is laid out clearly with Phantom Power LED indicators and corresponding LED's that indicate signal content of both channel. The inputs level are adjustable using rotary control and low frequency filter switches on the front panel.

The rear panel is equipped with a XLRF input connector and a XLRM output connector of each channel. There are -60dB attenuate switch for special purpose and Phantom Power switch of both channels.

System Connection

The Inputs on the HB-MA2 are balanced. This means that standard XLR connectors on the ends of any good quality cable will work well with the HB-MA2 and microphones of user choosing. If not using Phantom Power (i.e. Dynamic Microphone), user may use either Pin 1 or case for shield ground on the XLRF input. However, if user is using Phantom Power, Pin 1 must be shield ground to provide a complete electrical circuit.

The Outputs on the HB-MA2 are standard XLRM connection and all fully balanced.

The HB-MA2 can be mounted in a single rack space flight-case, and the AC power input voltage is switchable (110V~120V or 220V~240V) for different countries.



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The HB-MA2 is ideal for recording studio, seminar, radio and TV broadcasting where microphone amplifier system must be flexible to install, easy to operate and completely transparent in operation.

Features

- Dual Microphone stage can be used of stereo recording.
- Provided switchable +48V Phantom Power for condenser microphone with LED indicators.
- RFI Filters on all inputs. EMC-proof case significantly improves rejection of radio frequency interference.
- Input level gain and Output attenuate switch control.
- Switchable Low Frequency Filter to remove mic bumps and rumble.
- LED indicators show signal contented of each microphone input feed.
- Switchable power supply (110V~120V or 220V~240V).
- IEC-AC power receptacle
- Standard Nineteen inch 1U welded steel chassis



HB-MA2

Dual Microphone Amplifier



Front Panel include :-

Microphone 1 :

- Phantom Power Indicator
- Signal Indicator
- Input Level Gain Control
- Low Frequency Filter Switch

Microphone 2 :

- Phantom Power Indicator
- Signal Indicator
- Input Level Gain Control
- Low Frequency Filter Switch

- Power Indicator



Rear Panel include :-

- IEC AC Power Input (Fuse Included)
- Main Power Switch
- 110V ~ 120V / 220V ~ 240V Voltage Switch (Change Fuse Current for different Voltage)

Microphone 2 :

- Output attenuate switch
- Balanced Line level Output
- Phantom Power Switch
- Microphone signal Input

Microphone 1 :

- Output attenuate switch
- Balanced Line level Output
- Phantom Power Switch
- Microphone signal Input

TECHNICAL SPECIFICATIONS -

Audio Specifications

Frequency Response	+0 / -0.5 dB 20Hz~20kHz
Input Impedance	1.2k ohm Balanced
Maximum Input Level	+3.5 dBu (Referred to Min Gain) -33 dBu (Referred to Max Gain)
Balanced Input, at 1KHz	80 dB Typically
Output Gain Adjustable Range	+22 dB to +60 dB
Output Impedance	20 ohm Balanced
Maximum Output Level	+27 dBu
Output Noise (A-wtd, rms)	-90 dB (Referred to Min Gain) -65 dB (Referred to Max Gain)
THD + Noise	0.005% @ 1kHz at +24dBm (Referred to Min Gain) 0.02% @ 1kHz at +24dBm (Referred to Min Gain)
Low Frequency Roll-off	120Hz @ 6dB/octave
Phantom Power	48V (Switchable)
Output Attenuate	-60dB (Switchable)

Connections

Microphone Input	2 x XLRF (Balanced with +48V Phantom Power supply)
Main Output	2 x XLRM (Full Balanced Condition, never be wired Unbalanced)
Power Requirement	IEC, 110~120V or 220~240V

Physical Specifications

Dimensions	482 mm (W) x 44 mm (H) - 1U panel x 230 mm (D)
Nett Weight	2.5 kg

* In an effort to continually improve equipment performance, HiroSys reserve the right to alter the product specifications from those given in this brochure. Errors and omissions excepted.

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