Talk Back 600 MV

The Talk Back 600 MV adds talk back, monitor master volume, monitor switching, and monitor dimming capability to recording consoles, digital hard disc recording systems, and portable audio workstations. Intended applications include professional and project recording studios and video post-production facilities.

The Talk Back 600 MV provides control room talk back to the talent. The talk back microphone signal is mixed with the auxiliary signals and presented into the talent headphone monitoring system. The unit's features and specifications rival those found only in large format recording consoles.

The Talk Back 600 MV allows you to control talk back and monitor switching from the front panel controls, RC-1 and RC-2 wired remote controls, IR-1 and IR-2 wireless remotes, or any combination of the three.
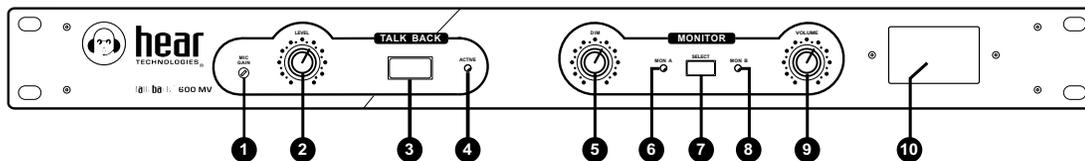
Optional Accessories

• RC-1 and RC-2 wired remotes

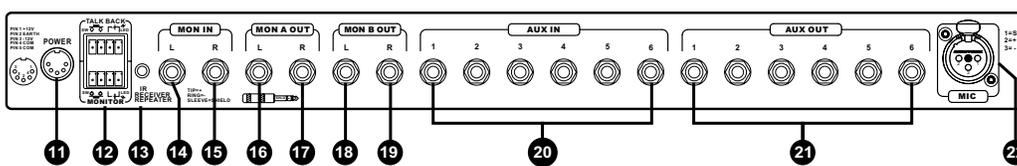• IR-1 and IR-2 wireless remotes

Features:

• **High quality talk back mic preamp with gain and level controls and phantom power**

• **Six balanced AUX inputs and outputs**

• **Monitor Master Volume control**

• **A/B control room monitor switching**

• **Control room monitor dimming is fully adjustable from Unity to Off**

• **Wired remote control connector**

• **Built-in IR Receiver for optional wireless infrared remotes for controlling talk back and monitor switching**
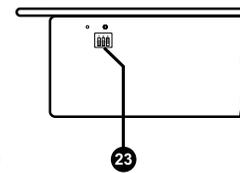
FRONT PANEL

REAR PANEL

BOTTOM PANEL

1 - Talk Back Mic Gain
2 - Talk Back Level Control
3 - Talk Back Button
4 - Talk Back Active Indicator
5 - Monitor Dim Control
6 - Monitor A Indicator
7 - Monitor Select Button
8 - Monitor B Indicator

9 - Monitor Master Volume
10 - Infrared Receiver Window
11 - Power
12 - Wired Remote Connector
13 - Infrared Receiver Repeater
14 - Monitor Input Left
15 - Monitor Input Right
16 - Monitor A Output Left

17 - Monitor A Output Right
18 - Monitor B Output Left
19 - Monitor B Output Right
20 - Auxiliary Inputs 1-6
21 - Auxiliary Outputs 1-6
22 - Mic
23 - Talk Back to Aux Output Assignment Switch

Note: 0 dBu = 0.775 V rms

TALK BACK 600 MV SPECIFICATIONS

Mic Input to Aux Outputs	
Input Impedance:	3.52 K Ohms +/-2%, differential
Mic Gain Range:	19 to 86 dB +/-2 dB
Frequency Response:	20 Hz to 20 KHz, +0.1 dB, Mic Gain = 66 dB
Equivalent Input Noise:	-126 dBu max unweighted, 22 Hz - 22 KHz, Mic Gain = 60 dB, Rs=150 ohms
Common-Mode Rejection:	58 dB min, 1 KHz, Rs=150 ohms
THD+N:	0.008% max, 20 Hz - 20 KHz, Mic Gain = 40 dB, +4 dBu
Phantom Power:	12 VDC +/-5%
Talk Back Off Isolation:	95 dB min, 1 KHz, Mic Gain = 66 dB
Aux Inputs to Aux Outputs	
Input Impedance:	18K Ohms min, differential
Gain:	0.6 dB +/- 0.15 dB
Max Input:	24 dBu
Frequency Response:	10 Hz to 40 KHz, +/-0.05 dB
Common Mode Rejection:	80 dB min, 1 KHz, Rs=40 Ohms
Max Output:	25 dBu
Output Impedance:	50 Ohms nominal, each leg, differential
THD+N:	0.0025% max, 20 Hz - 20 KHz, +4 dBu
IMD:	0.0050% max, +4 dBu, 60 Hz/7 KHz
Crosstalk:	-89 dB max, any input to any output @ 1 KHz
Monitor Inputs to Monitor Outputs	
Input Impedance:	18 K Ohms min, differential
Monitor Master Volume:	Unity to Off
Max Input:	24 dBu
Frequency Response:	10 Hz to 40 KHz, +/- 0.15 dB
Common Mode Rejection:	82 dB min, 1 KHz, Rs=40 Ohms
Max Output:	25 dBu
Output Impedance:	50 Ohms nominal, differential
THD+N:	0.0028% max, 20 Hz - 20 KHz, +4 dBu
IMD:	0.0050% max, +4 dBu, 60 Hz/7 KHz
L/R Crosstalk:	-89 dB max @ 1 KHz
Monitor OFF Isolation:	94 dB min, input to unselected output @ 1 KHz
Power Supply	
Input Requirement:	100 to 240 VAC, 50/60 Hz
Agency Listing:	UL/CUL/GS/CE
Size:	1.68" (4.27cm) **H** x 2.65" (6.73cm) **W** x 4.29" (10.9cm) **D**, less cords
Weight:	1.7 lb (0.77 kg), including cords
Physical	
Construction:	Steel Chassis/Aluminum Front Panel
Size/Weight:	1.75" (4.45cm) **H** x 19" (48.26cm) **W** x 6.50" (16.51cm) **D**, (1RU)
Unit Weight:	3.75 lb. (1.7 kg)
Shipping Size:	4.50" (11.43cm) **H** x 20.625" (52.38cm) **W** x 13.75" (34.9cm) **D**
Shipping Weight:	6.6 lb. (3.0 kg)

Specifications and features subject to change without notice.