

Equipment specifications

1. 1u Rack Mount Audion Channel mixer

12 Inputs

Microphone Input:	8 Balanced XLR Connectors (mono Channels 1–8) 4 Balanced XLR Connectors (2 stereo Channels 9&10-11&12)
Frequency Response:	20 Hz - 22 kHz
Maximum Voltage Gain:	60 dB (Mic Input to Line Out, Mic Out & Mono Out) 50 dB (Mic Input to Rec Out)
Phantom Power:	18–21 V, switch control
Line Inputs:	8 Balanced XLR Connectors (mono Channels 1–8)
Frequency Response:	20 Hz - 22 kHz
Maximum Voltage Gain:	20 dB (Mic Input to Line Out, Mic Out & Mono Out) 4 dB (Line Input to Mono Out)
Mic/Line Input impedance:	1.4 k Ω
All Outputs impedance:	120 Ω

Equalizers

High:	+15 dB @ 12 kHz
Mid:	+12 dB @ 2.5 kHz
Low:	+15 dB @ 80 Hz

Main MixOutput

Line Output:	0 dBu (+2 dBu), balanced
Mic Output, Mono Output:	0 dBu (+2 dBu), unbalanced
Maximum Output:	+21 dBu balanced/unbalanced, 1/4" (6.35 mm) jacks
Mic monitor:	1/4" output
Balanced XLR line outputs	
Mono 1/4" line output	

Power connection:

Input Voltage:	220-240V~, 50/60Hz
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Controls

Master and Individual level controls

2. Headset/Microphone dual muff

Live wired TV broadcast commset, Dual muff headphone/microphone set

Speakers:	Two
Frequency Response – Line to Headphone:	150 – 20kHz $\pm$ 3dB
Microphones:	One
Frequency Response:	280 – 15kHz $\pm$ 3dB

3. Commset Beltpac Single Channel

Microphone Pre-Amplifier

Mic to Line (without limiter acting)

Frequency Response:	280 – 15kHz $\pm$ 3dB
Microphone output to line	– Signal to Noise: >65dB

Headphone Pre-Amplifier

Frequency Response – Line to Headphone:	150 – 20kHz $\pm$ 3dB
Headphone input from line	– Signal to Noise: >50dB

Connectors

Intercom Line:	3-pin XLR–M–F
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4. Rack Mount power supply for 10 users / Main station unit

Mains Power:	Input Voltage Range: 220V – 240V AC Input Frequency Range: 50 – 60Hz
Frequency Response:	Panel Mic: 600 – 10KHz $\pm$ 3dB Headset Mic: 200 – 12kHz $\pm$ 3dB
Headset Output:	Load Impedance: $\geq$ 8 Output Impedance: $\leq$ 25 Output Limiter Threshold: +5dBu $\pm$ 3dB

Headset Microphone Input:

Input Type: Dynamic

Input Impedance: $\geq 1K$

Mic Limiter Threshold: $0dBu \pm 3dB$

Panel Microphone Input:

Input Type: Electret

Input Impedance: $\geq 2K$

Mic Limiter Threshold: $0dBu \pm 3d$