

AB-120 Announcer Console

Analog Partyline Solutions

Linking
People
Together



AB-120 Announcer Console

Key Features and Benefits

- Broadcast quality mic preamp with Jensen™ output transfer
- Talent intercom circuit automatically mutes Mic output to live audio
- Silent “Mic Mute” button for “Cough” and “Mic on/off” functions
- Easily adapts for use with any mic or headset
- Quick and simple set up using standard XLR mic cable
- Wide range, high-output headphone amplifier
- Binaural headset output allows talent to hear stereo program, IFB and/or intercom
- IFB input accepts either unbalanced program or powered IFB
- Interfaces with intercom and IFB systems
- Powered by intercom, IFB line or external DC source

Clear-Com Encore® is an intuitive, robust, plug-and-play partyline intercom system with high-quality “Clear-Com Sound”.

Description

The AB-120 Announcer Console is a compact desktop unit designed specifically for sports, live-event broadcasting and voice-over work. The AB-120 integrates all the inputs, outputs and controls necessary at the announce position, including intercom, IFB and a silent “Mic Mute” button that provides noise-free “Cough” and “Mic on/off” switching.

The high performance mic preamp ensures the highest broadcast quality audio from the announcer’s microphone. A high-output stereo headphone amplifier guarantees talent can always hear both program audio and “cues” from the control room, even in the loudest of live sporting environments.

The AB-120 plugs into and draws power directly from most intercom and IFB systems, permitting an announce position to be located virtually anywhere, regardless of available AC power. The console is flexible and easily configured for practically any combination of audio sources, microphones, headsets or intercom systems, ensuring quality audio and powerful communications.

On-Air Broadcast Quality

The AB-120 can be used with virtually any professional broadcast headset or separate microphone/headphone. A Jensen™ output transformer delivers up to -10 dBu (with 20 dB of headroom) into 600 Ohms, providing a properly balanced signal and reduces the possibility of ground loops, buzz or hum. When locally powered, the AB-120 also provides phantom power for headsets with condenser microphones.

Intercom Communications

Pressing the key momentarily switches the microphone output from “live-air” to the intercom channel. The console can be configured so that intercom audio can be heard in the left ear, right ear or both. The AB-120 connects to any professional audio system.

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Technical Specifications

dBu is an absolute measurement. 0dBu is referenced to 0.775 volts RMS

Headset Microphone Input

Input Type: Dynamic, Electret

Input Impedance: 1k Ω

Max Input Level: -60dBu to -40dBu switchable

Headset Output

Load Impedance: \geq 4 Ω

Output Impedance: 47 Ω

Output Limiter Threshold: -4dBu, + 3dB

Max Output Level Before Distortion: -4dBu

Partyline Output

Off Noise: < -80dBu

Output Impedance: > 10k Ω

Maximum Output: -4dBu

Partyline Input

Maximum Level Before Clipping: +3dBu

Sidetone Null Capability: >25dB

Frequency Response

Dynamic Mic - Partyline:

40Hz - 22kHz, + 3dB

Dynamic Mic - Line Out:

20Hz - 22kHz, + 3dB

Dynamic Mic - 4-Wire Out:

100Hz - 22kHz, + 3dB

IFB Input - Headset Out:

100Hz - 22kHz, + 3dB

Partyline - Headset Out:

150Hz - 22kHz, + 3dB

Max Distortion

Dynamic Mic - Partyline: < 0.1%

Dynamic Mic - Line Out: < 0.05%

IFB Input - Headset Out: < 0.5%

Partyline - Headset Out: < 0.1%

Noise

Dynamic Mic - Partyline: < -75dBu

Dynamic Mic - Line Out: < -85dBu

IFB Input - Headset Out: < -65dBu

Partyline - Headset Out: < -65dBu

Max Gain

Dynamic Mic - Partyline: 41dB + 3dB

Dynamic Mic - Hot Mic Out: 40dB + 3dB

IFB Input - Headset Out: 40dB/22dB

(switchable) + 3dB

Partyline - Headset Out: 34dB + 3dB

Rear Panel Connectors

Headset: XLR-6F-Switchcraft pin layout*

Compatible with balanced microphone headsets such as CC-400-X6.

Microphone Out: XLR-3M

Intercom: XLR-3M/F

IFB: XLR-3F

Power: 2.1mm jack

Front Panel Controls and Indicators

(1) Mute button

(1) Mute indicator LED (red)

(1) Talk back button

(1) Talk back indicator LED (green)

(1) Interrupt level control

(1) Non-Interrupt level control

Power

Intercom/IFB Voltage: 25 - 30V DC

Current: 100mA idle, 120mA max

DC Adapter: 100 - 240V

Voltage: 30V @ 0.5A

Environmental

32° - + 122°F (0° - + 50°C)

Dimensions

6 x 3 x 8in (WxHxD)

(152 x 76 x 203mm)

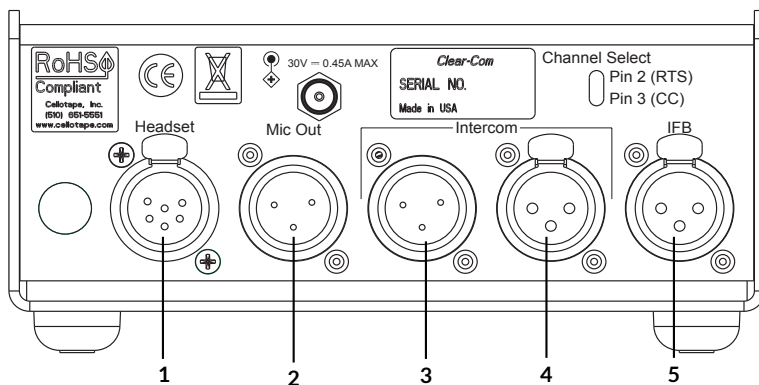
Weight

2.0lbs (0.9kg)

*IMPORTANT: XLR Connector Compatibility

Clear-Com products featuring 6-pin XLR connectors utilize the Switchcraft XLR pin layout. Compatible connectors are available from manufacturers, such as Switchcraft and Neutrik, yet compatibility must be verified. Neutrik 6-pin XLR connectors must include "S" in the part number to ensure compatibility.

AB-120 Back Panel



Legend

Back

1. 6-pin headset connector
2. Microphone out
3. Intercom line out
4. Intercom line in
5. IFB input

Order Codes

AB-120



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