



## FEATURES

- **Dual-function panel permits assignment routing or basic listen/talk functions**
- **Simple push-button routing of program sources to IFB destinations**
- **Any audio source can be sent to any destination**
- **Easy talent cueing with a single button push**
- **79 sources and destinations are accessible by “daisy-chaining” up to four 20-button panels**
- **Easy telephone integration**
- **Off-hook indication gives visual indication of telephone status**
- **Remote line release lets users hang up a phone line from any station**
- **Adjustable IFB “dim” levels when used with Matrix Plus 3 systems**

## DESCRIPTION

Matrix Plus digital intercom systems feature an integrated “Interrupt” (IFB) system that makes it easy to provide on-camera “Talent” with audio monitoring and verbal cues, whether they are in-studio or out in the field. A combination of dedicated hardware and powerful software provides effortless assignment of program audio to any Talent’s earpiece, interruption of that audio for verbal cueing from any intercom station, and full control of incoming and outgoing phone lines.

## DEDICATED IFB ASSIGNMENT PANEL

The heart of the Matrix Plus’ IFB system is the AP-22 Assignment Panel, which provides pushbutton routing of any audio source to any IFB destination as well as fully functional IFB Talk and Listen buttons. Configuration is extremely flexible, as the panel’s 20 buttons are easily programmed with any combination of IFB sources and/or destinations. The bright, easy-to-read five-character electronic display over each button instantly displays its label, while a colored LED identifies the button’s function: red for destinations, green for audio sources.

## EASY INTEGRATION

The AP-22 can be plugged into any Matrix Plus display station. This station can be located anywhere in the system. Up to 79 IFB sources and/or destinations can be made available at a single station by “daisy-chaining” up to four AP-22 panels. No additional Matrix Plus system ports are required when using the AP-22 panel.

## ASSIGNMENT MODE (ROUTER FUNCTION)

In the “Assignment” mode, the operator can select any IFB destination, such as an individual newscaster, and send any single audio source to his or her earpiece. In addition, multiple audio sources can be selected to create a mixed audio feed.

## TALK/LISTEN MODE

When connected to a station, the AP-22 also adds additional Talk and Listen capabilities to that station. In the Talk/Listen mode, the Panel’s buttons become normal Talk or Listen keys, allowing the operator to talk to any IFB destination or listen to any IFB source, with the simple push of a button.

*Matrix Plus 3*  
DIGITAL INTERCOM

by Clear-Com

**SPECIFICATIONS****REAR PANEL CONNECTOR**

Input: (1) DB-9 Male

Loop Through: (1) DB-9 Female

Connects to ICS station and/or other

Assignment Panels and/or Expansion  
Panels with supplied cable

**POWER**

AC Adapter: 14 VAC output

115 VAC UL Approved

220 VAC for international use

**COMPATIBILITY**

Intercom Stations: ICS-2002, ICS-1802,

ICS-92, ICS-52

Expansion Panels: XPL-12, XPL-22

**DIMENSIONS**

1.75" H x 19" W x 2.375" D

(44 x 483 x 59 mm)

**WEIGHT**

1.8 lbs (0.8 kg)

*All specifications are subject to change without notice.*

**EASY TALENT CONNECTIONS****TALENT RECEIVER**

It is easy to feed On-Air Talent their IFB audio: simply plug the TR-50 Talent Receiver to the Matrix Plus' FOR-22 four-wire interface. The Talent Receiver includes a high-power amplifier with volume control that assures clear audio in any environment. The Talent earset (included) plugs into the unit's mini earphone jack output.



TR-50 Talent Receiver

**ON-AIR ANNOUNCER'S CONSOLE**

The PL-Pro Announcer's Console is a compact desktop unit designed specifically for sports, live event broadcasting, and voice-over work. The ultimate broadcast-quality tool for announcers and commentators, the AB-100 integrates all of the inputs, outputs and controls necessary at the announcer's position, including intercom "Talkback," IFB, and a silent "Mute" button that provides noise-free "cough" and "mic on/off" switching.



AB-100 On-Air  
Announcer's Console

Superior engineering insures a broadcast-quality audio path from the announcer's microphone to a transformer-balanced output. 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 sporting environments.

The AB-100 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. Extremely flexible, the console is easily configured for practically any combination of audio sources, microphones, headsets, or intercom systems. (For more detailed specifications and information, request the Clear-Com AB-100 Data Sheet)