

FBI 100 connections

Step 4

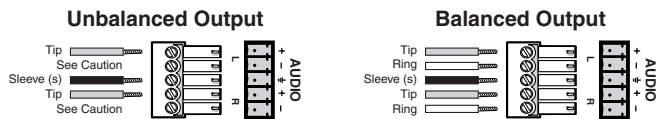
Connect the VCR audio/video inputs to the L and R stereo RCA and BNC connectors labeled "To VCR In," on the FBI 100 rear panel.

Step 5

Connect the VCR audio/video outputs to the L and R stereo RCA and BNC connectors labeled "From VCR Out," on the FBI 100.

Step 6

Connect the audio/video output devices (for example, an MPA 122 amplifier and/or a projector) to the captive screw and/or BNC connectors labeled "To Destination" on the FBI 100 rear panel.



Step 7

Connect the contact closure control port of a control system to the connector labeled "Contact" on the FBI 100 rear panel. This control system should be the same one that controls the VCR record and playback modes.

Step 8

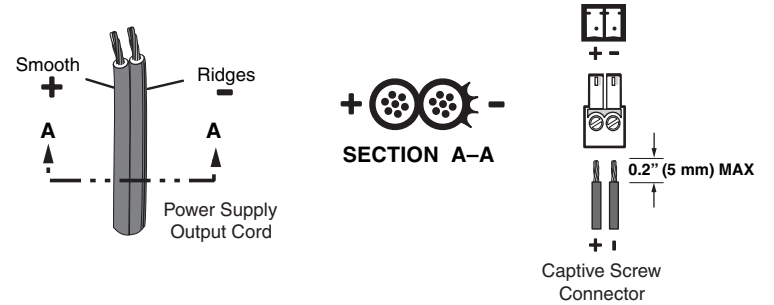
Program the control system to perform as follows:

- When the control system sends a command to the VCR to start recording (record mode), it should also short and latch the FBI 100 "Contact" pin 1 to ground (by relay).
- In the other modes (play or stop), the control system should open the FBI 100 "Contact" pin 1.

Step 9

Wire the FBI 100 power cord and connect it. To wire the power cord, follow these steps, and refer to the illustration below.

- Cut the DC output cord to the length needed.
- Strip the jacket to expose 0.2 inches (5 mm) of the conductors.
- Slide the leads into the supplied captive screw plug; and tighten the screws to lock the wires in place, using an Extron Tweezer or a small screwdriver.



Wiring the power cord

Step 10

Connect power to the output device(s), the FBI 100, the VCR, and the input device(s).

Step 11

Power on the input and output devices, the FBI 100, and the VCR. Insert a blank VHS tape into the VCR.

Specifications

Video

Gain Unity
 Bandwidth 10 MHz (-3 dB)

Sync

Standards NTSC 3.58, NTSC 4.43, PAL, SECAM

Audio

Gain
 From "From Source" to "To VCR In": -12 dB
 From "From VCR Out" to "To Destination":
 Unbalanced output: +6 dB;
 Balanced output: +12 dB
 Frequency response 20 Hz to 20 kHz, ±0.05 dB
 THD + Noise 0.03% @ 1 kHz at nominal level
 S/N >90 dB at maximum output (unweighted)

Audio input

Nominal level
 "From Source" +4 dBu (1.23 Vrms)
 "From VCR Out" -10 dBV (316 mVrms)

NOTE 0 dBu = 0.775 Vrms, 0 dBV = 1 Vrms, 0 dBV ≈ 2 dBu.

Audio output

Nominal level:
 "To VCR In" -10 dBV (316 mVrms)
 "To Destination" +4 dBu (1.23 Vrms)

General

External power supply 100 VAC to 240 VAC, 50/60 Hz, external, autoswitchable; to 12 VDC, 1 A (max), regulated
 Power input requirements 12 VDC, 0.2 A
 Warranty 3 years parts and labor

NOTE All nominal levels are at ±10%.

NOTE Specifications are subject to change without notice.

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