

FBI 100 connections

**Step 4**

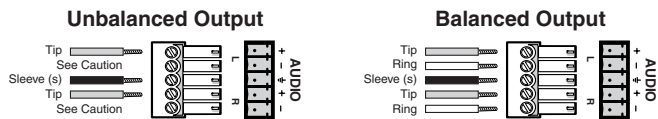
Connect the VCR audio/video inputs to the L and R stereo RCA and BNC connectors labeled "To VCR In," on the FBI 100 rear panel.

**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**

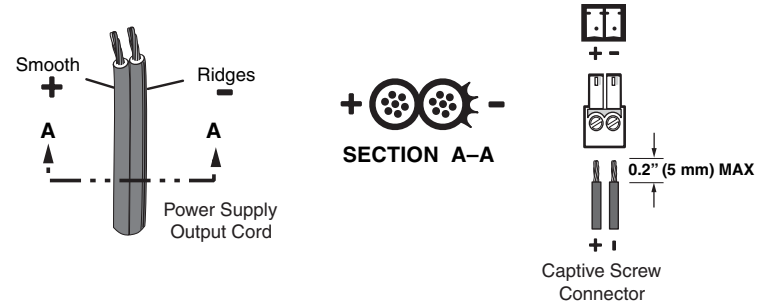
Program the control system to perform as follows:

- 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.