REGULATORY COMPLIANCE
The Energy Star qualified Power Adapter has been tested for compliance with: UL, CSA and CE.

WARRANTY POLICY
This product is warranted against failures due to defective parts or faulty workmanship for a period of three years after delivery to the original owner. During this period, FSR will make any necessary repairs or replace the unit without charge for parts or labor. Shipping charges to the factory or repair station must be prepaid by the owner, return-shipping charges, via UPS / FedEx ground, will be paid by FSR.

This warranty applies only to the original owner and is not transferable. In addition, it does not apply to repairs done by other than the FSR factory or Authorized Repair Stations.

This warranty shall be cancelable by FSR at its sole discretion if the unit has been subjected to physical abuse or has been modified in any way without written authorization from FSR. FSR’s liability under this warranty is limited to repair or replacement of the defective unit.

FSR will not be responsible for incidental or consequential damages resulting from the use or misuse of its products. Some states do not allow the exclusion of incidental or consequential damages, so the above limitations may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

Warranty claims should be accompanied by a copy of the original purchase invoice showing the purchase date (if a Warranty Registration Card was mailed in at the time of purchase, this is not necessary). Before returning any equipment for repair, please read the important information on service below.

SERVICE
Before returning any equipment for repair, please be sure that it is adequately packed and cushioned against damage in shipment, and that it is insured. We suggest that you save the original packaging and use it to ship the product for servicing. Also, please enclose a note giving your name, address, phone number and a description of the problem.

NOTE: all equipment being returned for repair must have a Return Authorization Number (RMA). To get a RMA Number, please call the FSR Service Department (973-785-4347).

Please display your RMA Number prominently on the front of all packages.

Contact Information:
FSR INC.
244 Bergen Boulevard,
Woodland Park, NJ 07424

Tel: (973) 785-4347 · Fax: (973) 785-4207

E-Mail: sales@fsrinc.com · Web: http://www.fsrinc.com

CI-5 BWPA
CI-5LB

COMPUTER INTERFACE WALLPLATES WITH AUDIO

OPERATIONS MANUAL

PROPRIETARY INFORMATION
All information in this manual is proprietary to and the property of FSR Inc. This publication is protected by the Federal Copyright Law, with all rights reserved. No part of this document may be reproduced, transcribed, or transmitted, in any form or by any means, without prior explicit written permission from FSR Inc.
INSTALLATION AND OPERATION

The 5 BNC output cable, 12 VDC power supply leads and audio leads should be prewired through the duplex back box prior to completing the steps below. Do not plug in the power supply until all wiring is completed and proper connections are verified.

Connect the 5 BNC female “pigtail” connectors to the 5 BNC male output cable leading to the projector or monitor.

Connect the audio output cables to the captive screw terminals labeled “Audio Out”. The appropriate wiring configuration for balanced and unbalanced connections is shown in Figure 1 to the right of this page.

Using the chart on the rear of the wallplate or below as a guide, set the cable equalization dip switches for optimum performance at the desired cable length.

Connect the 12 VDC power supply stripped output leads to the captive screw terminals labeled “9VAC” and “12VDC”. The units are NOT polarity sensitive. Attach the video input from the desired source. Plug in the power supply. On the units face, an amber LED will indicate power. The LED should change to green when a proper video signal is present on the HD-15 input (horizontal sync is present).

After confirming proper operation, unplug the power supply, and mount the CI–5 and cover plate in the wall. Be certain that all cables and connectors are nested properly and check for pinched or strained cables while mounting the CI-5 interface into the wall box. Use the supplied screws for mounting. Install the cover plate with the supplied screws and perform the final operational check.

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### SPECIFICATIONS

#### VIDEO INPUT
- **Number/type:** 1 VGA / SVGA / XGA / SXGA / UXGA / RGBHV / RGBS / RsGsBs
- **Connectors:** One 15 pin HD female
- **Level (nominal):** Analog 0.7v p-p
- **Level (maximum):** 2v p-p
- **Impedance:** 75 ohms

#### VIDEO OUTPUT
- **Number/type:** 1 VGA / SVGA / XGA / SXGA / UXGA / RGBHV / RGBS / RsGsBs
- **Connectors:** 4" Pig-tail of 5 female BNC’s (RGBHV)
- **Bandwidth:** 700MHz @ -3.0dB (5 BNC output)
  400MHz @ -3.0dB (HD-15 loopback output)
- **Level (nominal):** Unity / User adjustable via DIP switch settings
- **Gain:**
  - OFF = 0’ to 75’
  - LOW = 75’ to 125’
  - MEDIUM = 125’ to 175’
  - HI = 175’ to +200’
- **Impedance:** 75 ohms

#### AUDIO CI-5BWPA/CI-5LB
- **Bandwidth:**
  - 20 Hz to 20 kHz (+/-0.05dB)
  - 100 Hz to 15kHz (+/-2dB)
- **THD + Noise:**
  - 0.01% @ 20 kHz at rated Max Output S/N >98dB
  - 0.5% between 275 Hz-3.5kHz
- **Noise Floor:** Better than 98dB
- **Stereo separation:** -90dB @ 1 kHz
- **Audio Gain:** +6dB 0dB with 1.5dBm max insertion loss

#### AUDIO INPUT
- **Number/type:** 1 stereo unbalanced
- **Connectors:** 1/8" mini connector
- **Impedance:** 10K ohms DC coupled unbalanced
- **Max level:** +6dBm

#### AUDIO OUTPUT
- **Number/type:** 1 Balanced / Unbalanced Stereo
- **Connector:** 5 Position Captive screw terminal
- **Maximum Level:** 600 ohms: +12dBm Balanced / +6dBm Unbalanced
  Hi = 2, +14dBm Balanced / +8dBm Unbalanced
- **Input Level:**
  - Unbalanced: 0v to 5.0v p-p
  - Balanced: 0v to 2.5v p-p
- **Output Level:**
  - Unbalanced: 0v to 5.0v p-p
  - Balanced: 0v to 2.5v p-p
- **Impedance:** 475 ohms
- **Output impedance:** 75 ohms
- **Polarity:** Positive or negative
- **Horizontal frequency:**
  - Balanced: 15kHz - 200kHz
- **Vertical frequency:**
  - Balanced: 30 Hz - 150 Hz

#### GENERAL
- **Power:**
  - CI-5 model: 12 VDC @ 0.09 A
  - CI-5LB model: 12 VDC @ 0.125 A
- **Mounting:** Single – Gang Decora Wallplate (Included)
- **Enclosure Type:** Metal
- **Size:** 4.094” H x 1.706” W x 0.65” D
- **Approvals:** UL / CE

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### INSTALLATION AND OPERATION

The 5 BNC output cable, 12 VDC power supply leads and audio leads should be prewired through the duplex back box prior to completing the steps below. Do not plug in the power supply until all wiring is completed and proper connections are verified.

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#### SPECIFICATIONS

**VIDEO INPUT**
- **Number/type:** 1 VGA / SVGA / XGA / SXGA / UXGA / RGBHV / RGBS / RsGsBs
- **Connectors:** One 15 pin HD female
- **Level (nominal):** Analog 0.7v p-p
- **Level (maximum):** 2v p-p
- **Impedance:** 75 ohms

**VIDEO OUTPUT**
- **Number/type:** 1 VGA / SVGA / XGA / SXGA / UXGA / RGBHV / RGBS / RsGsBs
- **Connectors:** 4" Pig-tail of 5 female BNC’s (RGBHV)
- **Bandwidth:**
  - 700MHz @ -3.0dB (5 BNC output)
  - 400MHz @ -3.0dB (HD-15 loopback output)
- **Level (nominal):** Unity / User adjustable via DIP switch settings
- **Gain:**
  - OFF = 0’ to 75’
  - LOW = 75’ to 125’
  - MEDIUM = 125’ to 175’
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- **Connectors:** 1/8" mini connector
- **Impedance:** 10K ohms DC coupled unbalanced
- **Max level:** +6dBm

**AUDIO OUTPUT**
- **Number/type:** 1 Balanced / Unbalanced Stereo
- **Connector:** 5 Position Captive screw terminal
- **Maximum Level:**
  - Balanced: 600 ohms: +12dBm
  - Unbalanced: 600 ohms: +6dBm
- **Input Level:**
  - Unbalanced: 0v to 5.0v p-p
  - Balanced: 0v to 2.5v p-p
- **Output Level:**
  - Unbalanced: 0v to 5.0v p-p
  - Balanced: 0v to 2.5v p-p
- **Impedance:** 475 ohms
- **Output impedance:** 75 ohms
- **Polarity:** Positive or negative
- **Horizontal frequency:**
  - Balanced: 15kHz - 200kHz
- **Vertical frequency:**
  - Balanced: 30 Hz - 150 Hz

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