California Media Engineering Inc.

PDS-REM
Profanity Delay System Remote

For use with the 5100-AVD

Operations Manual

CAL MEDIA ENGINEERING

PDS-REM • Profanity Delay System Remote Operations Manual

- Cal Media Engineering Part Number: **PDS-REM-OM**
- Document Version: 1.0
- Printed in U.S.A.

The information contained in this User Manual is subject to change without notice or obligation.

Copyright

Notice

The material in this manual is furnished for informational use only. It is subject to change without notice and should not be construed as a commitment by Cal Media Engineering. Cal Media Engineering assumes no responsibility or liability for errors or inaccuracies that may appear in this manual.

Trademarks

- openGear is a registered trademark of Ross Video Limited.
- CAL MEDIA ENGINEERING is a trademark of California Media Engineering Inc.
- DashBoard™ Control System is a registered trademark of Ross Video Limited.
- All other product names and any registered and unregistered trademarks mentioned in this manual are used for identification purposes only and remain the exclusive property of their respective owners.

Contents

Introduction **4**
A Word of Thanks 4
Overview 4
Wiring Diagram 4
Installation and Setup **5**
Unpacking 5
Installation 5
Operation **6**
Remote Control Panel 6
Recommended 5100-AVD Setup *6*
Setting up the GPI switches 6
Switch Control 6
Switch Mode 6
Switch Delay-Reaction Time 7
Setting up "Safe" Sources 7
Video Switched Source 7
Audio Switched Source and Switched Level 8
Specifications **9**
5 YEAR LIMITED WARRANTY **10**
Repair Policy **11**

Introduction

In This Chapter

This chapter contains the following sections:

- A Word of Thanks
- Overview
- Wiring Diagram

A Word of Thanks

Congratulations on choosing Cal Media Engineering's **PDS-REM Profanity Delay System Remote** for the 5100-AVD Dual Channel Audio-Video Broadcast Delay and Profanity Elimination System.

Should you have a question pertaining to the installation or operation of your PDS-REM, please contact us at the numbers listed on the back cover of this manual, or through our web site at www.calmedia.com.

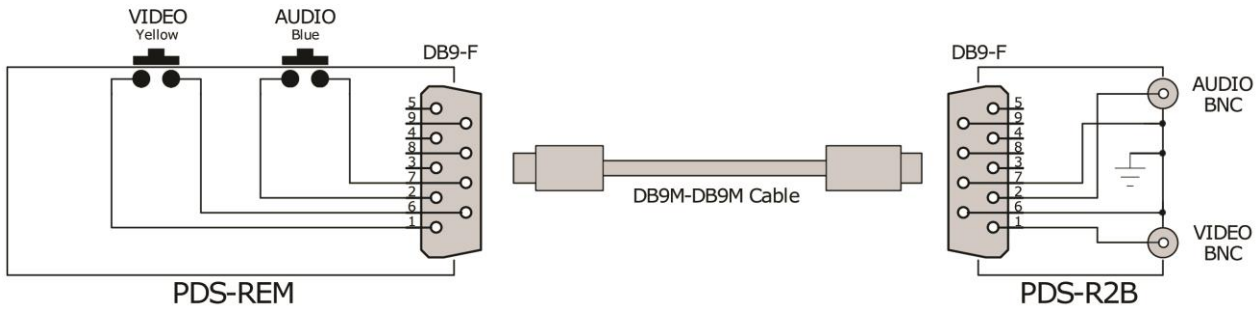
Overview

The PDS-REM is a desktop remote control panel designed exclusively for use with the 5100-AVD openGear™ card. This simple remote provides a two button interface using high quality industrial push switches for use as the Video and Audio "Panic" buttons to censor unwanted material from a broadcast.

The Video and Audio push buttons are connected to the 5100-AVD's GPI ports via a standard DB9 cable and BNC adapter (included). Pressing either the Video or Audio button will activate the corresponding GPI switch in the 5100-AVD, and censor the content by switching to the programmed "safe" source. The switch will continue to censor content as long as the push button is held down.

See the 5100-AVD Operations Manual for details on configuring the GPI switches, reaction time, and "safe" sources.

Wiring Diagram



Installation and Setup

In This Chapter

This chapter contains the following sections:

- Unpacking
- Installation

Unpacking

Unpack each **PDS-REM Profanity Delay System Remote** you received from the shipping container, and check the contents to ensure that the following items are included.

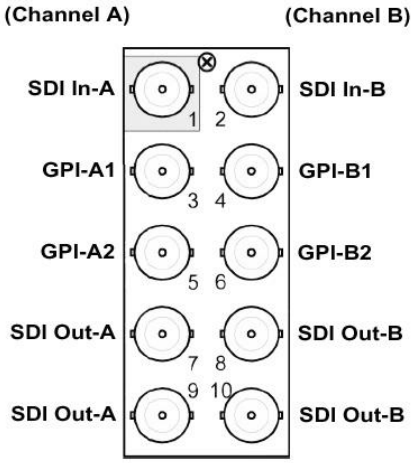
- (1) PDS-REM Desktop Remote Control Panel
- (1) PDS-R2B DB9 to BNC Adapter
- (1) DB9 Male-to-Male cable

If any items are missing or damaged, contact your sales representative or Cal Media Engineering directly.

Installation

Connect one end of the DB9 cable to the back of the Remote Control Panel.
Connect the other end of the DB9 cable to the PDS-R2B Adapter.
Connect a BNC cable from the Adapter BNC labeled "GPI Video" to the GPI-A1 BNC connector on the 5100-AVD rear module (see rear module drawing below).
Connect a BNC cable from the Adapter BNC labeled "GPI Audio" to the GPI-A2 BNC connector on the 5100-AVD rear module (see rear module drawing below).

If installing two Remote Control Panels for Dual Channel or Two Operator modes, connect the second set of BNC cables to the GPI-B1 and GPI-B2 BNC connectors.



5100-AVD Cable Connections for the Rear Module

Operation

Remote Control Panel

The PDS-REM Remote Control Panel allows for simple operation of the 5100-AVD Profanity Elimination System. Once the 5100-AVD is setup properly, the yellow "VIDEO" push button will censor any unwanted video content by replacing it with a "safe" source. The blue "AUDIO" push button will likewise censor any unwanted audio content by replacing it with a "safe" source.

Recommended 5100-AVD Setup

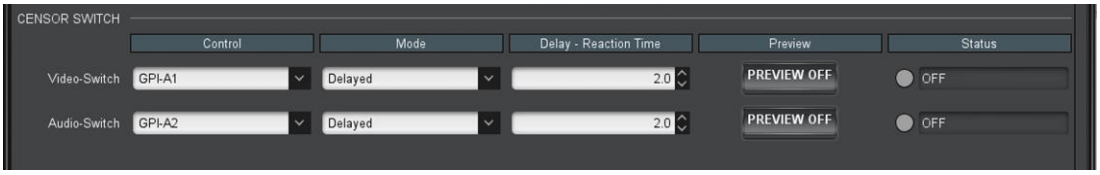
The recommended setup for profanity elimination is to use "**Delayed"** mode with **Reaction Time**.

In this mode, the operator monitors the input source (non-delayed). When an incident occurs the operator immediately presses down the VIDEO and/or AUDIO button and continues holding it down until the incident has passed. Because the operator will not recognize the incident until after it has occurred, a **Reaction Time** is selected to compensate. If an adequate **Reaction Time** is selected, the delayed main program output will switch away to some other "safe" material before the offending incident occurs and will switch back to the main program after the incident is over.

See 5100-AVD operation manual for more information.

Setting up the GPI switches

The *Control* tab menu on the 5100-AVD DashBoard™ interface includes the controls necessary to setup for profanity elimination.



Switch Control

The ***Control*** drop-down box assigns the GPI port to externally control the Video and Audio Switches.

Select ***GPI-A1*** for **Video Switch** (the port that the remote's "Video"cable is connected to).

Select ***GPI-A2*** for **Audio Switch** (the port that the remote's "Audio" cable is connected to).

Switch Mode

The ***Mode*** drop-down control should be set to "Delayed" for both Video and Audio Switches.

Switch Delay-Reaction Time

The ***Delay-Reaction Time*** control is used to advance the start time of the switch activation. This feature is used to compensate for human response time in recognizing an objectionable incident. The Reaction Time has a range of 0 to 6 seconds in 0.1 second steps.

This control is typically set to a range of 2 - 3 seconds, but should be tailored to the operator. The value should be set a little longer than the time it takes the operator to recognize that something objectionable has occurred and press the button.

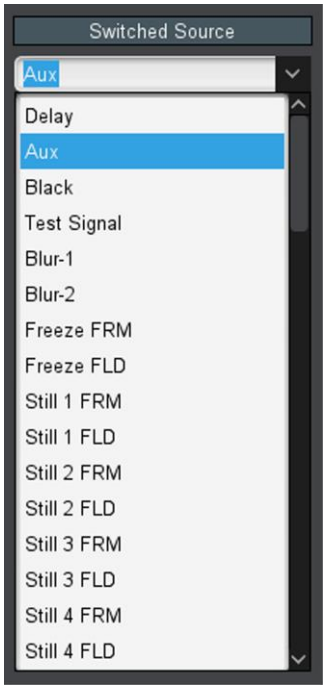
Be aware that setting a large value might unnecessarily remove too much valid program material ahead of the objectionable incident.

Setting up "Safe" Sources

Video Switched Source

This section of the *Control* menu contains controls for configuring the Video Output.

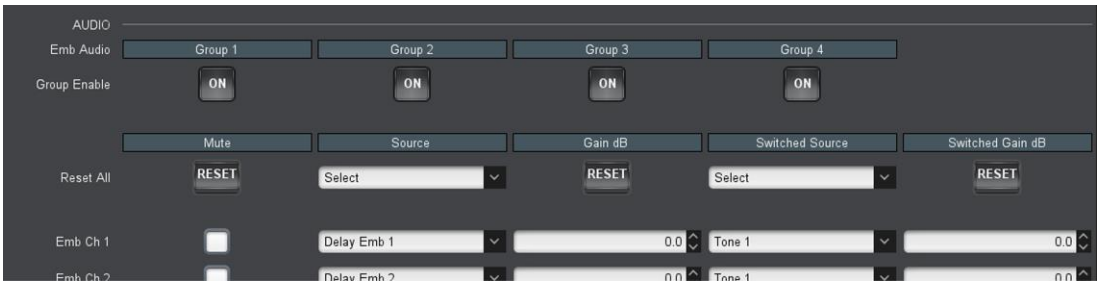
Use the Video Output ***Switched Source*** control to select a "safe" source for when the Video button is pressed (ON).



Delay	= Delayed Video input.
Aux	= Aux Video input. (not available in *Dual Channel Delay* mode)
Black	= Black Video (0 IRE).
Test Signal	= ***Video Test Signal*** generator (*see Stills* & *TSG* menu).
Blur-1	= Blur Filter (normal).
Blur-2	= Blur Filter (high).
Freeze FRM	= Full Frame Freeze of output video while the switch is active.
Freeze FLD	= Field mode Freeze of output video while the switch is active.
Still # FRM	= Display Full Frame Still image (*see Stills* & *TSG* menu).
Still # FLD	= Display Field mode Still image (*see Stills* & *TSG* menu).

Audio Switched Source and Switched Level

This section of the *Control* menu contains controls for configuring the Audio Output.



Use the Audio Output ***Switched Source*** and ***Switched Gain*** controls to select "safe" sources for all audio channels when the Audio button is pressed (ON).

Full Audio Mapping is possible with the ***Switched Source*** control. Any source may be selected for any output channel, including one source feeding multiple output channels. Silence (mute) and four internal tone generators are also available as sources.

Example: Aux Emb 5 signal can be output on Emb Ch 1, and Emb Ch2.

The ***Reset All – Switched Source*** control will quickly assign all 16 channels to the selected source.

Source 1:1 – This will assign all Source channel#s to their corresponding output channel#s.
Source Ch1 to Output Emb Ch1, ……., Source Ch16 to Output Emb Ch16.

The level of each switched channel may be adjusted –40 to +20 dB with the ***Switched Gain*** control.

The ***Reset All – Switched Gain*** reset button will adjust all audio channels to 0dB (default).

Specifications

Pushbutton Switch Lifetime

Mechanical Durability	5,000,000 cycles
Electrical Lifespan	250,000 cycles

Control Panel

Dimension L,W,H	7 inches, 5 inches, 2.5 inches
Overall Height	3.3 inches
Cable Connector	DB9-Female

Adapter

Dimension L,W,H	2.65 inches, 2.61 inches, 1.10 inches
Overall Length	3.2 inches
Cable Connector	DB9-Female
GPI Outputs	2 BNCs

Cable

Type	DB9 Male to Male shielded
Maximum length	1000 feet

Specifications subject to change without notice.

5 YEAR LIMITED WARRANTY

California Media Engineering Inc. warrants that this product (PDS-REM) is free from defects in material or workmanship for a period of five (5) years from the date of original purchase. In the event this product becomes defective through normal usage, California Media Engineering Inc. agrees to repair or at its option replace the defective product without charge.

This warranty does not cover the openGear™ Frame, Network cards or Power supply(s).

This warranty is limited to the original end-purchaser and is not assignable or transferable. This warranty does not apply to damage caused by negligence, accidents, or an act of God. Only a California Media Engineering Inc. factory representative is authorized to repair this product. Any unauthorized attempt to repair this product will immediately void the warranty. Any unauthorized alterations or modifications to this product will immediately void the warranty.

California Media Engineering Inc. shall not be responsible for incidental or consequential damages, nor damage due to misuse or the use of any unauthorized attachment or modification, nor damage by the use of an unspecified electrical circuit. In no event shall California Media Engineering Inc. be responsible or liable for any damages arising from the use of this product, whether such damages be direct, indirect, special, incidental, consequential, or otherwise. California Media Engineering Inc. shall not be liable for any loss of use, revenue or profit.

Any software provided for use with this product is provided "AS IS." California Media Engineering Inc. shall not be responsible or liable for any damages arising from the use of said software, whether such damages be direct, indirect, special, incidental, consequential, or otherwise.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. Any implied warranty is limited in duration to five years provided in this, the only, expressed warranty.

Repair Policy

Should any problem arise with your PDS-REM, please contact Cal Media Engineering's Technical Support Department at support@calmedia.com or use the contact information on the back cover of this manual.

If required, a Return Material Authorization number (RMA) will be issued to you, as well as specific shipping instructions. Do not return any product before obtaining a RMA number. Any shipping costs incurred are the customer's responsibility. If available, a temporary replacement card may be provided at a nominal charge.

Cal Media Engineering's Technical Support Department will continue to provide advice on any product manufactured by Cal Media Engineering, beyond the warranty period without charge, for the life of the product.

California Media Engineering Inc.

(805) 931-0857
info@calmedia.com
support@calmedia.com