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Book Descriptions:

calrec artemis user manual

Any changes we make Apollo, Artemis, Summa, Brio, RP1, Hydra Audio HX7 8EZ will be reflected in subsequent issues of this Networking and Bluefin High Density Signal document. CALREC Putting Sound in the Picture. The Shine Ray Beam Light Artemis The 3.0 software release for Apollo and range provides 4 different DSP pack Artemis was huge. So huge, in fact,. Touch the screen momentarily and then release in the same position The configuration display, surface displays and assign TFTs are all touch sensitive. Once complete, change the panel mode to refresh the display. 20 ARTEMIS Control Overview Digital Broadcast Production Console. Layer locking is carried In the left hand button cell of the modes activation. Note Artemis now displays Aux Sends in 16s rather than 8s and any undefined buses are removed from the display rather than greyed out. See Fig 1. See "Memory Isolation" on page function within LAYER TOOLS see 157. This process is illustrated in Fig 2. 38 ARTEMIS Control Panel Modes Digital Broadcast Production Console. Select the destination list available input or output ports. This will bring up a popup dialogue which allows the user to select the destination set. CALREC Putting Sound in the Picture. CALREC Putting Sound in the Picture. When a physical order and box ID rather than by source has more than one destination and the alphabetic label order. 50 ARTEMIS Getting Signals Into Artemis Digital Broadcast Production Console. CALREC Putting Sound in the Picture. The first few shortcuts are in the patching screens on the main application. This can be incredibly useful when integrating with external matrices, as it allows the source labels from the external matrix to be passed through to faders on the surface. Pressing ON again will deactivate Replay and switch all paths in the Replay Set to input 1, see Fig 1. CALREC Putting Sound in the Picture. Initially right. all changes are deselected. <http://ecogestval.com/userfiles/file/c4180-hp-manual.xml>

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58 ARTEMIS Getting Signals Into Artemis Digital Broadcast Production Console. FIG 4 INPUT SHARING AND OUTPUT PROTECTION 2 STAGE POPUP CALREC Putting Sound in the Picture. When patching input decoders. Output aliases are used in a similar way. CALREC Putting Sound in the Picture. The are patched or to select phantom power ident formats which can be selected from. H2O user interface. See the H2O user guide for more information. CALREC Putting Sound in the Picture. Gain The lower row of Control cells contains gain controls where relevant for all six bands. CALREC Putting Sound in the Picture. CALREC Putting Sound in the Picture. Mono paths also allow the Dynamics 2 process to be replaced with 1 of 8 Automixers which are selected from the TFT screen. 76 ARTEMIS Processing Audio Digital Broadcast Production Console. Note, these values are given and are routed to Main 1. only as an example that can be clearly demonstrated on a console using tone. 78 ARTEMIS Processing Audio Digital Broadcast Production Console. It must be switched in circuit using the ON button in the 4th Control cell, top row as shown in Fig 1. CALREC Putting Sound in the Picture. Surround Master Path settings. CALREC Putting Sound in the Picture. These may be used to create inserts for any width of Hydra2 output port path in the system. Send to inserted Configuring inserts is a two step process. A popup will appear prompting for the name of the new list, which can be six characters or less. Enter the name and touch OK. CALREC Putting Sound in the Picture. A master can have slaves but can also be made a slave of another master. Fig 1 illustrates the hierarchy. The default status of this option is unit with the Apollo and Artemis console cut or APFL status will apply to the master off but it can be switched on to stop any range is the

subject of a separate manual and subsequently all slaves in the group. <http://www.appraiser1004.com/userfiles/how-to-prepare-a-training-manual-pdf.xml>

To control an assignable AutoFader, select the PROCESSINGAUTOFADER panel mode and press the appropriate assign button for the channel whose Autofader is to be accessed. GPIs are assigned to control one or more of these autofaders when they receive the required trigger signal. The autofaders can then be assigned to control one or more faders on the surface. CALREC Putting Sound in the Picture. FIG 3 SWIPING THROUGH BUSES CALREC Putting Sound in the Picture. The number of the signal between the front and rear and destination paths. CALREC Putting Sound in the Picture. However this can still be achieved by holding the access button for a second longer. 102 ARTEMIS Routing Audio Digital Broadcast Production Console. The fader display will also show the behaves like any other normal AFL. CALREC Putting Sound in the Picture. To bypass the downmix the downmix the same as the postfader as the Calrec factory default, operators can faders for a given bus, select the bus in downmix. One of these defaults can be selected by operators to act as the default for their show. To enable technician mode, see "Technician Mode". CALREC Putting Sound in the Picture. Note that for Artemis Light these figures are 256 legs at 48kHz and 128 legs at 96kHz. Fig 1 shows the layout of controls in monitor mode. To set a fader panel into monitor mode, touch the MONITOR button on the Modes row. 118 ARTEMIS Monitoring Digital Broadcast Production Console. This panel features hard controls for main loudspeaker level, Dim, Cut and Stereo. The left hand button cell display above the Level control shows the control room monitor level. Latching or. CALREC Putting Sound in the Picture. It removes any speakers in the AFL and PFL section of this cuts that may be in place. document. 128 ARTEMIS Monitoring Digital Broadcast Production Console. Both Outputs will have their monitoring level controlled from the Main LS controls. CALREC Putting Sound in the Picture.

The level of these reverse feeds may be adjusted using the RTB 1, 2 or 3 controls. 134 ARTEMIS Communications Digital Broadcast Production Console. The mix minus signal sent to the required source will be the contents of the mix minus bus, with the source's contribution if any removed. CALREC Putting Sound in the Picture. Fig 1 shows an example layout of a configured TFT meter. Each can be. CALREC Putting Sound in the Picture. These are currently the main standards and are being widely adopted in other geographical regions. See Fig 3 on the next page for a table of Loudness Metering Modes. 146 ARTEMIS Metering Digital Broadcast Production Console. If the fader is a master then any CNCL button. CALREC Putting Sound in the Picture. CALREC Putting Sound in the Picture. Currently the restrictions are the same as for rehearse mode. 164 ARTEMIS Console Facilities Digital Broadcast Production Console. CALREC Putting Sound in the Picture. CALREC Putting Sound in the Picture. CALREC Putting Sound in the Picture. System status monitors all system components and connections. CALREC Putting Sound in the Picture. The Artemis control bed can be fitted path. This provides access to useful broadcast with fader and monitor panels. An Apollo. Given an example the expense of slightly more noise. This allows units fitted with two rotary controls. SFP sockets to be customised to meet a range of requirements. All main network connections in a Artemis system make use of SFP sockets. CALREC Putting Sound in the Picture. A VCA group, unlike a group bus does not sum any audio. If you require features that are not available in the software version you are running, please contact Calrec Customer Support or your local Calrec distributor to discuss upgrade options. V1.3 V1.8.1. The latest version will be available High Density Signal Processing HDSP are trade marks of Calrec Audio Ltd. This publication is for International usage.

In order to protect If in doubt, please check with a Calrec installation as detailed in Calrec these devices from damage and to protect customer support engineer before documentation. CALREC Putting Sound in the Picture. Commissioning whatever reason, please contact your ARTEMIS Information. A number of chassis sections are fitted together to provide a control surface of a. The

surface MUST be correctly fastened to the stand to prevent possible equipment damage or personal injury. CALREC Putting Sound in the Picture. The system will always 3 x POE system. On each POE, port S1 by Calrec and need to be made by the attempt to boot and run on the primary, connects to the primary Surface switch, installer. The third IEC input and distribution block. CALREC Putting Sound in the Picture. To correctly display all the Calrec PC applications, a minimum resolution Antivirus protection is not preinstalled on of 1280 x 1024 is required. Using an. Air exits Airflow through The core is cooled by fan assisted rear vent convection. USB ports, keyboard, mouse and VGA connections are for use only by, or under the guidance of Calrec engineers. As well as the standard status indicators, front panel LEDs are also provided to show the status of other cards in the core D0 for the primary DSP card;. The support rails can be fitted in different positions depending on the depth of the bay being used. A slot should only be fitted with a module of the correct type for the slot, as shown in the layout above. Each card Processor.The support rails can be fitted in two different positions depending on the depth of the bay being used. Calrec will not be liable for lost or missing SFP modules, or damage due to poor storage.Calrec do not supply these cables as it is hubs or repeaters. If a run between often preferable to terminate them after Hydra2 hardware exceeds the maximum. The layout shown on the Surface 1 tab relates to the main control surface,.

As these are copper only needs to be a straightthrough pin out, connections, the cable distance between NOT a crossover.GPIO cards different manufacturers hardware and is Calrec Fixed Format External wiring provide logic inputs and outputs that GPIO card shown in the example below. Primary Main Router Ports From software version 1. 1 6 onwards. With a lack of supply, Calrec has regretfully withdrawn them from the product range. Users who prefer this style of meter should request one or two RTW TM7 meters are fitted in the upstand reset panel, specifying that moving coil emulation software is enabled. CALREC Putting Sound in the Picture. SWP08 mapping requires the use of the supplied by Calrec. Calrec H2O GUI, please refer to the H2O user guide for more details. 68 ARTEMIS External Control. Cards fitted in card and the secondary if a backup expansion router slots do not support this connection is being made. All Calrec console and Master Router PCs provide an SNMP agent to forward error and warning messages to a central SNMP server, allowing equipment faults to be. Assist apps run on iPad devices which connect to the Calrec system through a wireless router, through which console functions can be controlled using CSCP.For 3rd party controllers that operate on RS422, Calrec can also supply inline. Enter a name, eg Calrec Connect Using dropdown menu.Click Apply to save the changes. Select port 1 and click Edit to view the details for the serial port. At the top of the. Once logged in, the Calrec main application should start up. If the main application is closed, it can be restarted from the Windows Start menu. Choose the Calrec Default as the starting template, enter the details as prompted and click Next to load the new, clean show onto the console. Various can display fader input audio, bus output patching them to Hydra2 outputs. CALREC Putting Sound in the Picture.

Again, patching is achieved by highlighting the blue source cell, the blue destination cell and clicking patch. CALREC Putting Sound in the Picture. An XLR on the upstand reset panel provides a convenient location to mount the supplied gooseneck microphone. GPIO patching is saved as part of the show, rather than in each user memory. CALREC Putting Sound in the Picture. The logging file is held on the MCS cards. CALREC Putting Sound in the Picture. The IC5791 is fitted with 8 x 100mm throw faders. The upper section of upstand TFT panels display audio level and phase meters, as setup in the Main Application. The lower section of the panel works in conjunction. Analogue inputs are wired to processing cards in the processing ARTEMIS female D25s, digital to BNCs, both on core.Multiple panels can be fitted Switch Function in each control surface if required.This information is provided for 3 2 1. CALREC Putting Sound in the Picture. The 4U Artemis Light core is fitted with 9 x 40mm low power, low speed and low noise fans, mounted at the top of the rear of the core outputting air. Air is drawn in through the front panels of the card modules fitted in the

core. Acoustic Noise The units may also be housed in air conditioned bays. Add 2 samples for each input, and 2 samples for each output, for each additional core rack in the relevant part of the signal path. 122 ARTEMIS Specifications. CALREC Putting Sound in the Picture. Page 5 Calrec.Com putting sound in the picture artemis information. Page 6 6 artemis digital broadcast production console information important information aftersalesmodifications please be aware that any modifications other than those made or approved by calrec audio limited or their agents, may invalidate the console's warranty. This includes changes to cabling provided. Install in accordance with the m.

Page 8 8 artemis digital broadcast production console information should you require any technical assistance with your calrec product then please contact your regional calrec distributor. Customers within the uk or ireland should contact calrec directly. For a complete list of worldwide distributors by re. Page 9 Calrec.Com putting sound in the picture artemis control surface. Page 10 10 artemis digital broadcast production console control surface surface dimensions and assembly the artemis control surface can be customised in terms of width and fader count, and can be provided with a number of stand and trim options. Page 13 Calrec putting sound in the picture 13 figure 7 leg measurements external leg measurement internal leg measurement figure 8 total surface width total surface width including trim total surface width including trim and monitor mount figure 9 typical surface measurements side of the chassis. Page 14 14 artemis digital broadcast production console control surface accesstosurfaceconnections the data connections from the artemis processing core to the control surface are made through a small cutout on the rear cover of the control surface located near the iec ac input connectors. Two fibres or ca. Page 15 Calrec putting sound in the picture 15 figure 1 stand mounting points floor stand removal if the control surface is supplied with a floor stand, it can be removed if required to reduce the overall size and weight aiding installation logistics or for where desktop mounting is preferred. The floor. Page 16 16 artemis digital broadcast production console control surface surface components there are a range of components within the surface. This section explains how these components are connected, receive power and communicate with each another. Poepoweroverethernet switch control panels in the surface.

Page 18 18 artemis digital broadcast production console control surface poeresetconnections the two ports labelled rst are used to pass hard reset lines between the poes. The reset lines originate from the upstand reset panel and are wired to the reset and meter connector on the monitor panel via a d25. Page 19 Calrec putting sound in the picture 19 surfaceswitches the surface switch is the interface between the control surface and the processing core. To provide redundancy, two surface switches are fitted, primary and secondary. The system will always attempt to boot and run on the primary, however if the. The ac power inlets are wired internally to three distribution blocks mounted to the base of the inside of the control surface. The poe switches have dual powe. Page 21 Calrec putting sound in the picture 21 the surface switches and configuration pc take dc power via rj45 connectors. These should be fed from spr connections on poe switches. These connections are for power only—no data is carried over the poe spr connections. Spr connections do not drop power during. Page 22 22 artemis digital broadcast production console control surface cat5e network cabling inside the control surface is id coded at both ends with a number of cable markers. One marker is used on each to id the function of the cable by colour, matching the colour key used for the connector labelling on. Page 23 Calrec putting sound in the picture 23 a high quality, low power fanless pc is mounted to the baseplate inside the control surface. The design of the pc used ensures reliability alongside minimal heat and acoustic noise. The pc is supplied as standard with a traditional magnetic hard drive hdd or. Page 24 24 artemis digital broadcast production console control surface as an option, the console can be supplied with an additional accessible usb port, wired internally via an adaptor to a poe panel port, allowing for a backup pc to be connected quickly.

Lanconnection an rj45 socket on the rear interface. Page 25 Calrec putting sound in the picture 25

any standard specification modern pc running windows 7 or windows xp professional can be used as a backup or replacement to connect to the console and run the various calrec applications. Connection by the pcs usb port, via the supplied usbethernet adaptor i. Page 26 26 artemis digital broadcast production console. A slot should only be fitted with a module of the correct type for the slot. Slots are labelled for their type across the top. Two of each type of processing card are fitted. The upper section of the core also contain. The active control processor is the central processor in the system, handling all control parameters and. Both slots share the power load for the whole core. One psu module is sufficient to power the whole core, two are fitted to. Modules in hotspare mode, ready to take over in the event of a failure, do not have their active led. Page 37 Calrec putting sound in the picture 37 dsp the primary, normally active dsp card fits in slot 3, to the immediate left of the primary control processor. The secondary, hotspare dsp card fits in slot 7, to the immediate right of the secondary control processor. This audio signal processing card has. Pre2015 cores cannot be fitted with cards designed for the new cores. Pre2015 cores can be identified by having a plain metal fin. Air exits via top rear mounted fans long support position 645.64mm. Page 40 40 artemis digital broadcast production console. Page 41 Calrec.Com putting sound in the picture artemis connection information. Page 43 Calrec putting sound in the picture 43 loosespstorage sfp modules are small, yet reasonably expensive devices. When removing or changing sfps, take care to keep track of them and store loose modules in a clean, dry, and antistatic environment. Fibre sfps should always have a dust cover fitted into.

Simple test devices that only check the pinout of the terminations are not sufficient to prove the per. Fibre connectivity is required when the cable run between units exceed. A certain amount of signal loss occurs over the length of a fibre path. If the total loss of a path exceeds the optic. Page 48 48 artemis digital broadcast production console connection information cleaningfibreopticcablesand connectors there are multiple ways to clean fibre optic cables and connectors. Page 49 Calrec putting sound in the picture 49 to change the sync sources selected, click on the desired source on the left, the desired destination on the right and then click patch. These connections are via sfps, either fibre or copper, as requested a. Page 51 Calrec putting sound in the picture 51 control surface sidecar connection the processing core supports an additional connection for a second control surface known as a sidecar. A sidecar surface, unlike a surface extension is fitted with its own pair of surface switches and connects to the surface. Again the decimal value of 39 is used for the example. Page 56 56 artemis digital broadcast production console connection information gpio in apollo and artemis systems is a hydra2 option. Page 66 66 artemis digital broadcast production console. Page 67 Calrec.Com putting sound in the picture artemis external control. Page 68 68 artemis digital broadcast production console external control the hydra2 router allows for 1ton source to destination routing of hydra inputs to hydra outputs, without using console dsp, or control surface space. Control over input to output crosspoint routing can be carried out from a console. Page 69 Calrec putting sound in the picture 69 ember remote control the ember protocol is a sophisticated data exchange mechanism that has potential for controlling many functions across varied equipment types. Ember control has been incorporated into calrec's apollo, artemis and hydra2 range to allow vario.

Page 70 70 artemis digital broadcast production console external control calrec serial control protocol the calrec serial control protocol, cscp, allows for remote control over mixing console operational functions by 3rd party systems such as video switchers and production automation systems. Several broadc. Page 71 Calrec putting sound in the picture 71 to enhance redundancy, and minimise the amount of changeover required in the event of a failure, both the primary and secondary calrec controller cards can communicate over each others front panel ports in the event of a primary controller card failing, the. Page 72 72 artemis digital broadcast production console external control system status over snmp snmp agent system status tab snmp agent snmp configuration tab snmp agent http configuration tab all calrec consoles feature system status an

advanced warning and correction system. System status message. The setup options provided by different router manufacturers can differ substantially so this setup guide should be used along with the manufacturer. It is strongly recommended that the wireless lan is configured to use some method of encryp. Page 77 Calrec putting sound in the picture 77 perle units supplied by calrec can be preconfigured if the connectivity requirements are communicated prior to delivery. Please discuss 3rd party control integration with your calrec sales representative or assigned project leader. Configuration requires that. Page 78 78 artemis digital broadcast production console external control repeat to add the secondary calrec card as another host. Click apply to save the changes. Select port 1 and click edit to view the details for the serial port. At the top of the page, below the port. Please refer to the console operator ma. Page 83 Calrec putting sound in the picture 83 creating a clean starting point to ensure you are starting from a clean setup, before beginning configuration it is a good idea to create a new show.

During dark mode, the displays are switched off, but all control and audio processing continu. Page 85 Calrec putting sound in the picture 85 sync setup artemis processing cores are capable of running on their own internally generated synchronisation clock, however where more than one core is networked together, it is essential that they are all fed and locked to the same derived sync source to ensur. Tone can be selected to path inputs from the processing panel mode. The tone to input select button is located. Page 89 Calrec putting sound in the picture 89 monitoring output setup artemis consoles do not have dedicated outputs for feeding monitors. Monitor outputs can be patched to any hydra2 audio output port on the network. As well as audio, upstand mete. Page 91 Calrec putting sound in the picture 91 the dedicated monitor panel on the control surface provides access to the commonly used monitoring controls. Note that the same input and output por. An xlr on the upstand reset panel provides a conveni. Select the gpo page to patch functions to gp output relays. The lefthand side of the screen shows the functions available to patch. Click on the functions button at the top of the list to view diffe. Page 100 100 artemis digital broadcast production console. Page 101 Calrec.Com putting sound in the picture artemis panel options. Page 102 102 artemis digital broadcast production console panel options fader panel ic5791 the ic5791 fader panels make up the majority of an artemis control bed, multiple panels being fitted across the control bed to make up the required quantity of faders. The ic5791 is fitted with 8 x 100mm throw faders. Page 103 Calrec putting sound in the picture 103 upstand tft panel mu5794 the mu5794 tft touchscreen panels make up the majority of the artemis upstand. The upper section of upstand tft panels display audio level and phase meters, as setup in the main application.

Several variants of this panel are available with different metering options. 3rdpartymeters reset panels. Analogue inputs are w. Page 108 108 artemis digital broadcast production console panel options loudspeaker panel ls5958 the ls5958 is an optional loud speaker panel for the artemis upstand. Multiple panels can be fitted in each control surface if required. Page 110 110 artemis digital broadcast production console. Page 111 Calrec.Com putting sound in the picture artemis obsolete panels. This information is provided for customers with preexisting units only. Page 113 Calrec putting sound in the picture 113 dipswitchconfiguration pcb mounted dip switches provide some configuration options for moving coil meters. To access these switches, the panel needs to be removed from the control surface. Once removed, the drive card for the meters is accessible from the rear. Page 114 114 artemis digital broadcast production console. Page 115 Calrec.Com putting sound in the picture artemis specifications. Although the console will operate with one inlet supply we recommend both inlets are powered. This will ensure cont. Page 118 118 artemis digital broadcast production console specifications power the processing core is fitted with two ac mains input power supply modules. The core will be fully functional on one psu, however both should be fitted and fed where possible from separate sources to provide redundancy against bot. Units will be fully functional on one psu, however both should be fed where possible from separate sources to provide redundancy against both psu fail. Units will be fully functional on one psu, however both

should be fed where possible from separate sources to provide redundancy. Also suitable for use with spdif iec958 type 2 signals interface, input sensitivity 75.

Page 122 122 artemis digital broadcast production console specifications synchronisation inputs audio performance data hydra2 analogue output specs digital analogue conversion 24 bit output balance electronically balanced. 20hz to 20khz, better than 35db, typically 45db output impedance distortion 1dbfs. Does anyone have a pdf version they could email me. I am trying to configure the d50 dsub cables to. Each channel is fitted with superb microphone preamplifier, parametric EQ. Three power supplies, DC cables and photocopy of Calrec M3 Series manual are included in this auction. The console was fully serviced and tested Cookies on this website. We use cookies to ensure that we give you the best experience on our website. If you continue without changing your settings, we'll assume that you are happy to receive all cookies from this website. If you would like to change your preferences you may do so by following the instructions here. Calrec Audio manufacture high quality production and live to air audio mixing consoles exclusively for broadcasters. Calrec offer the most comprehensive range of digital and analogue broadcast specific equipment in the world. Three power supplies, DC cables and photocopy of Calrec M3 Series manual are included. The console was fully serviced and tested 12 Jan 2010 I am seriously looking into buying a calrec m3 mini mixer with 20 channels. It has the pq 3140 eq The calrec has direct outputs on each channel and is very flexible with routing and the studer only has stereo out on the master. Thanks Marc. Now I am desperately in need of the manual. A simple ear training app to help improve frequency recognition. I designed and developed this app as a goal to help motivate various learning exercises in iOS app development. It's available for free on the iOS app store. Learn more A global collaboration between teams in the UK, USA, and China, I led the product execution and gotomarket activities. Learn more at [bowerswilkins](#).