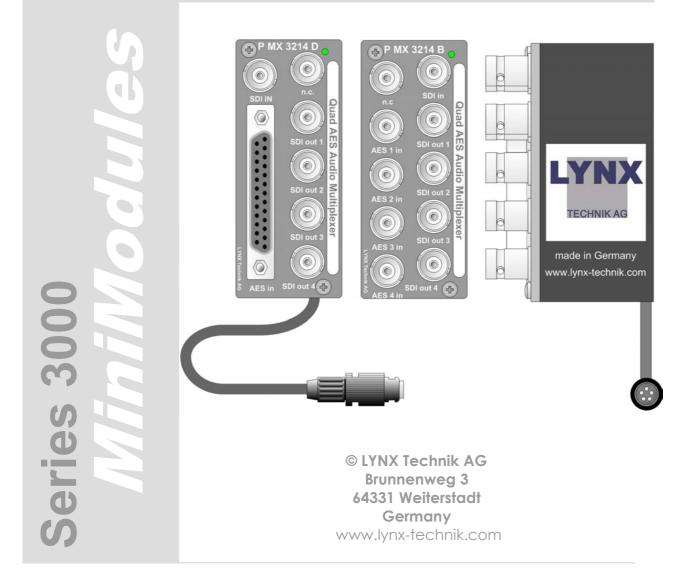


V 3.1

Reference Manual P MX 3214 B; P MX 3214 D Dual AES Audio Multiplexer



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Warranty

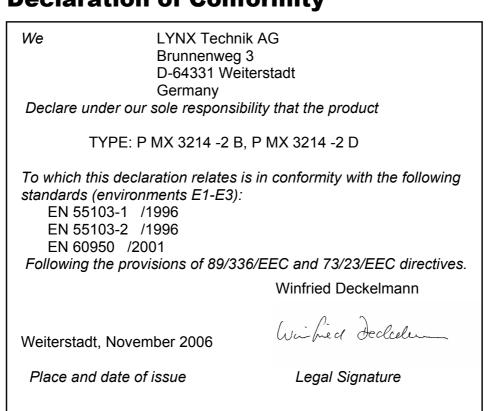
LYNX Technik AG warrants that the product will be free from defects in materials and workmanship for a period of two (2) years from the date of shipment. If this product proves defective during the warranty period, LYNX Technik AG at its option will either repair the defective product without charge for parts and labor, or will provide a replacement in exchange for the defective product.

In order to obtain service under this warranty, customer must notify LYNX Technik of the defect before expiration of the warranty period and make suitable arrangements for the performance of service. Customer shall be responsible for packaging and shipping the defective product to the service center designated by LYNX Technik, with shipping charges prepaid. LYNX Technik shall pay for the return of the product to the customer if the shipment is within the country which the LYNX Technik service center is located. Customer shall be responsible for payment of all shipping charges, duties, taxes and any other charges for products returned to any other locations.

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Regulatory information Europe Declaration of Conformity



USA

FCC 47 Part 15

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to the part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense

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Getting Started

Packaging

The shipping carton and packaging materials provide protection for the module during transit. Please retain the shipping cartons in case subsequent shipping of the product becomes necessary.

Product Description

The P MX 3214 is a high quality digital AES Audio multiplexer (Audio Embedder) designed primarily for broadcast and professional applications.

The Module accepts 4 external AES3 inputs (combined into two audio groups) and multiplexes this into the incoming SDI video input. Group insertion per embedder is selectable (1 through 4). Four separate SDI outputs of the video, with embedded audio are provided. Existing audio groups can be overwritten, deleted or passed transparently. Four separate SDI outputs of the embedded signal is provided which could be used to cascade several modules for additional audio group insertion.

In case no SDI input is attached the module generates it own SDI signals and continues to embed the AES input signals.

The Module uses Sub D connections (P MX 3214 D) or 75 Ohm BNC connections (P MX 3214 B) for audio and standard 75-Ohm (BNC) interconnections for video.

The P MX 3214 has a variety of features, which include:

- User selectable audio groups (1...4)
- 525 and 625 line standard. (auto detect)

- Supports 4:3 / 16:9 aspect ratios
- Supports 8 and 10 bit video
- Selectable bypass of audio sample rate conversion
- Video to green if SDI input lost, with own SDI signal generated
- Supports asynchronous and synchronous audio inputs. (Asynchronous audio between 30KHz and 48KHz)
- local DIP switches and LED's for control and status monitoring.
- Microprocessor controlled.
- Remote control interface.

All settings stored in non-volatile flash ram. The module has a built in micro-controller with local controls, status and alarm indicators and well as internal flash ram for storing setups. Any operational parameters configured and stored into the module are recalled when powered up. Remote control, status monitoring and error reporting is possible when used with the R FR 3010 rack frame option and host controller. For stand alone control, the R CT 3002 Service Adapter option is available.

The P MX 3214 is part of the 3000 series of MiniModules, which offer high quality, modularity and flexibility in a very small form factor ideal for applications where space is at a premium.

The modules can be used either stand alone using the optional power supply brick, or as part of a tightly integrated space saving system where up to 10 MiniModules can be mounted utilizing the optional LYNX R FR 3005 / 3010 rack housing. This includes integrated power supply and optional remote control interfaces.

Functional Diagram

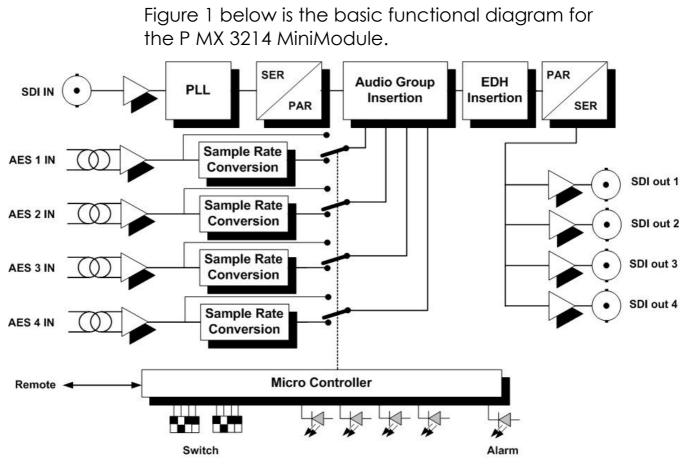


Figure 1- P MX 3214 Functional Diagram

Module Layout

Figure 2 shows the physical layout of the P MX 3214 MiniModule. Video I/O is made through standard 75 Ohm BNC video connections and the balanced audio inputs are made on the Sub D connector (P MX 3214 D) or the unbalanced audio inputs on BNC connectors (P MX 3214 B). Module configuration is set via a small dip-switches located behind access holes in the bottom of the module.

If the module is being used in a stand alone application then the optional power supply (R PS 3001 E, R PS 3001 U or R PS 3001-3) is required to power the module (not shown)

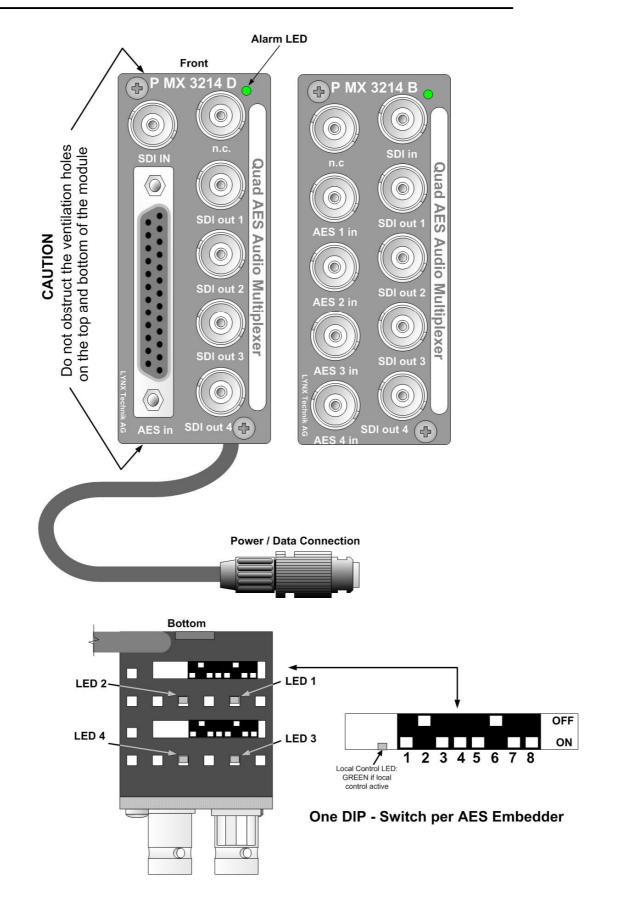


Figure 2 – Module Layout

Connections

Video Connections

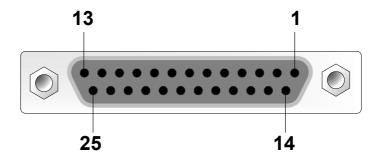
The P MX 3214 MiniModule is configured with standard 75 Ohm BNC connectors for video I/O Connection is self-explanatory. Balanced audio connections are made via the Sub D connector and should be wired as shown in the table below. We recommend the use of high quality cable suitable for digital video / audio connections to reduce the risk of interference or errors due to excessive cable attenuation.

Note. Due to the compact design of the module it will be necessary to use a connection tool to secure the BNC video connectors to the module.

Balanced Audio Connections (P MX 3214 D)

Pin Number	Connection	Pin Number	Connection
1		14	
2		15	
3		16	
4		17	
5		18	
6		19	
7	+ AES 4	20	- AES 4
8	GND AES 4	21	+ AES 3
9	- AES 3	22	GND AES 3
10	+ AES 2	23	- AES 2
11	GND AES 2	24	+ AES 1
12	- AES 1	25	GND AES 1
13			

SubD 25 pin female connector.

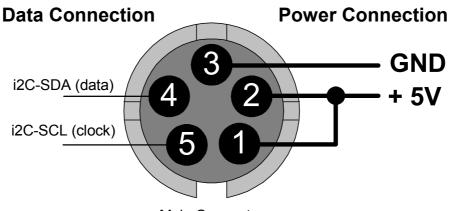


Power Connections

If using the module in a stand-alone application use the separate R PS 3001 E (for Europe), R PS 3001 U (USA) power brick option or the R PS 3001-3 IEC desk power supply.

DC Power Connector

The MiniModule has a captive power lead fitted to the module, with a male 5 pin locking bayonet connector. This connection provides DC power and also data connectivity to the module. Connector wiring is shown below.



Male Connector (view looking into connector from front)

Caution

Only use the optional LYNX R PS power modules. Ensure the 5-pin power connector is locked securely in place.

Installation

Mechanical Stand Alone Operation

The P MX 3214 MiniModule can be used in a stand alone application. There are two options for the use of the module in this way.

- a) Using the R FR 3005 Rack Frame 1 option. This allows up to any 10 of the MiniModules to be secured onto a rack frame assembly for 19 inch rack mounting. This keeps the modules secured, organized and out of the way. The R PS 1 power brick option or the R FR 3010 option is required to power each module. Please refer to the R FR 3005 Reference Manual supplied with this option for more details.
- b) Single Use. The MiniModule can be powered independently with the R PS 3001 option and used in any location where this functionality is required.

Caution. Care needs to be taken when using the module in this way, as it is not physically secured. Keep the module away from the floor to avoid the risk of someone stepping or tripping on the unit, and locate the unit away from excessive sources of heat and any sources or moisture.

If using more than one MiniModule in any installation, the R FR 3005/3010 Rack frame combination is highly recommended.

Multiple Units

Most applications will require more than one MiniModule, which can include any of the available Series 3000 MiniModule product range. There are two options for mounting multiple units.

- a) Using the R FR 3005 Rack Frame option. This allows up to any 10 of the MiniModules to be secured onto a rack frame assembly for 19 inch rack mounting. The R PS 3001 power brick option or the R FR 3010 option is required to power each module. Please refer to the R FR 3005 Reference Manual for more details.
- b) Using the R FR 3010 Rack frame extension option. Can be combined with the R FR 3005 Rack frame option. Each module plugs into a connection bus, which provides common power for all modules. (no R PS external power supplies are needed). Remote control and status monitoring of all modules is possible with the addition of the R CT 5020 rack controller and R CT 5030 master controller options. Please refer to the respective reference manuals for these options for details of mechanical installation.

The very small size and density of the MiniModules combined with the available rack frame options allows the addition of a complex and custom signal distribution system without taking any additional front rack space. The rack frames are designed for installation in the back of 19-inch racks where there is normally plenty of available space. Ideal for mobile truck installations and facility expansions where space is at a premium.

Electrical Installation. Stand Alone Operation

The MiniModule requires the R PS 3001 power brick option for stand-alone operation. Two versions are available R PS 3001 E for European markets, R PS 3001 U for the US markets or the R PS 3001-3 IEC desk power supply. Please ensure you have the correct power option for your region. The connection to the module is made with a small 5pin connector, which has a twist bayonet securing system. Please make sure the connection is solid and locked in place. A strain relief is included within the module to prevent excessive strain on the connection.

Signal connections should be made with care, please ensure connections are correct and compatible equipment is feeding / receiving the signals from the module or damage can result.

Caution. Only use the optional LYNX R PS 1 power modules. Ensure the 5-pin power connector is locked securely in place.

Caution. Care needs to be taken when using the module in this way, if it is not physically secured. Keep the module away from the floor to avoid the risk of someone stepping or tripping on the unit, and locate the unit away from excessive sources of heat and any sources or moisture.

Multiple Units

When installing multiple MiniModule units it is recommended you use the R FR 3005 Rack Frame 1 and / or R FR 3010 Rack Frame 2 options. Please refer to the documentation supplied with these options for details on electrical installation.

Settings and Control

The P MX 3214 is configured via an integrated 8position dip switch as shown below. (Figure 3)

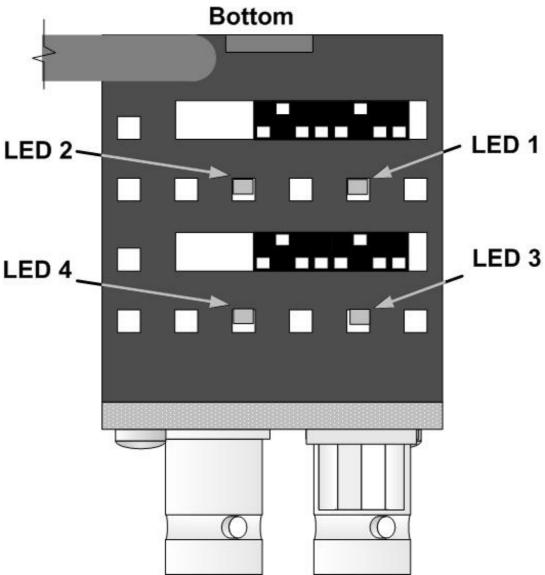


Figure 3. Switch and LED locations

Switch Settings

Below the switch setting for the two 8-position dipswitches is defined. Please see the section following the table for more detail on each switch function. **ONE DIP SWITCH IS PROVIDED FOR EACH EMBEDDER**

SWITCH		
Position	Set	Function
1	ON	Local Adjustment Enabled
I	OFF	Local Adjustment Disabled
2	ON	24 bit AES output
۷	OFF	20 bit AES output
3	ON	Delete ALL incoming embedded AES audio
5	OFF	ONLY replace Audio group selected with SW2
4	ON	No sample rate conversion performed
	OFF	Sample rate conversion selected (48KHz)
	ON	Group 1 selected
5	OFF	Group has to be deselected if other group selected
	ON	Group 2 selected
6	OFF	Group has to be deselected if other group selected
	ON	Group 3 selected
7	OFF	Group has to be deselected if other group selected
	ON	Group 4 selected
8	OFF	Group has to be deselected if other group selected

Service Adapter

This module is complex by design. Configurations are much easier with the R CT 3002 Service Adapter. This provides a simple PC GUI for configuration use. Settings can be quickly changed and stored to the module flash ram. No local switch settings are necessary. A single Service Adapter can be used for all MiniModules.

Switch Function Detail

All settings are stored in Flash Ram inside the module (see Auto Store section in this manual). Settings will be recalled on power up.

Dip Switch 1

This switch enables local control using the dipswitches. **ON** enables local control and makes selections on the dipswitch active, and **OFF** disables local control (locking out any local changes)

Note.

When Switch 1 is initially switched to **ON**, the static settings currently set on the dip-switches may not reflect the actual configuration stored in the module. This is because all settings can be changed from the remote control system or via the Service Adapter. This overrides the local dip switches regardless of Switch 1 ON/OFF setting. To ensure the module reads the local dip switch settings it is recommended to toggle Switch 1 **ON-OFF-ON** before making any local changes to the dip switches.

Dip Switch 2

20 / 24 bit operation. When set to **ON** the AES audio output will be 24 bits wide (which is normal). When set to **OFF** the AES audio output can be set to 20 bits, which is sometimes necessary for downstream equipment which may not be compatible with 24 bits operation.

Dip Switch 3

Delete embedded audio. When set to **ON** this will delete **ALL** incoming AES audio signals on the input SDI signal (if any). When set to **OFF** only the channels selected for embedding (using SW2) will be overwritten. Any remaining audio, which was present on the incoming SDI signal will pass transparently.

Dip Switch 4

Sample rate conversion ON/OFF. This is used to select sample rate conversion for the module. This setting applies both input audio signals. When set to **ON** (asynchronous) all incoming audio will be sample rate converted to 48 KHz. (input range 30KHz to 48KHz). When set to **OFF** the sample rate conversion will be bypassed. If bypassed, all incoming audio must be synchronous to the input SDI signal. This is useful if the module is to work with Dolby audio data where the audio should not be resampled.

Dip Switch 5 through 8

Select Audio Groups. These four switches are used to select which audio groups are to be embedded into the incoming SDI video. **ON** selects the audio group and **OFF** deselects it.

NOTE: If two groups are selected at the same time, embedding is switched off

Auto Store

If no parameters are changed for 10 seconds then the current settings will be written into flash memory automatically, this can be seen by the front LED flashing yellow four times.

Factory Preset Condition

The P MX 3214 is delivered preset for the following mode of operation:

- 1. ON: Local adjustments enabled
- 2. OFF: 20 bit AES
- 3. OFF: Only replace audio group selected
- 4. OFF: Sample rate conversion bypassed
- 5. ON: Audio Group 1 Selected (Embedder 1) OFF: (Embedder 2)
- 6. OFF: (Embedder 1) ON: Audio Group 2 Selected (Embedder 2)
- 7. OFF
- 8. OFF

If this is the mode of operation required, then no adjustments are necessary.

Alarm/LED Status Indicators

The P MX 3214 module has built in LED indicators, which serve as alarm and status indication for the module. Function is described below. The Indicators are found on the bottom of the module and can be seen through the access holes provided. (Figure 2 or 3)

LED Indicators

2 channel Status LED are provided per embedder on the module edge and can be seen through the access holes (figures 2 or 3). One LED is provided for the audio signals, and one for indication of the SDI status. Both LEDs are three color, and have several indication states.

LED	COLOR	INDICATION
Status	GREEN	AES1/3 and AES 2/4 present, no error
LED	YELLOW	AES 1/3or AES 2/4 missing
1/3	RED	AES 1/3 and AES 2/4 signal missing
Status	GREEN	SDI input present, no error
LED	YELLOW	SDI input present, PLL not locked
2/4	RED	SDI input missing

*Note

When working in 525 mode with 24 Bit audio selected then only the first three groups can be embedded. Group 4 is locked. In 525 mode with 20-bit audio all four groups are accessible.

Front Panel Alarm Indicator

There is also a single alarm LED on the front side of the module, (Figure 2) which is designed for quick and easy indication of a problem condition in installations where visible access to the bottom of the module is not convenient. This LED is three color and has several indication states.

LED	COLOR	INDICATION
N 0 _ 1	GREEN	Video Signal present, signal locked, audio embedded
+ Alarm E LED	YELLOW	SDI present, one ore more audioinputs missing, or wrong dip-switch setting
•	RED	no SDI signal, PLL unlocked

LED **OFF** indicates power is lost, or there is a power supply fault.

Locate Function

For larger systems which may have multiple MiniModules of the same type in a single rack, or multiple rack systems on a large central control system we have added a useful utility which will help to visually locate a suspect module quickly (When used in conjunction with the optional control system and software)

Once the specific module has been selected on the control system there is a locate button on the top of the GUI:

Status
🔵 ок

Locate Function in Control System

When Locate is selected the status indicator on the GUI and the module LED's will flash yellow in the following continuous sequence.

3 short flashes.... Pause.... 3 short flashes ...

This uses the alarm LED located on the front of the module and in some cases any channel or status LED's that may be used in the module.

Use of the locate function will not interfere with the normal operation of the module.

For more details on this feature please check the documentation supplied with the controller software.

Specifications (P MX 3214)

Inputs (video)	
Signal	1 x SDI 4:2:2 SMPTE 259M-CD (270 Mbps)
Connection	BNC
Impedance	75 Ohms
Return loss	> 15dB (270 MHz)
Max cable length	250 m (270 MHz)
Inputs (audio)	
Signal	4 x AES 3 balanced (P MX 3214 D) or
Connection	unbalanced AES3-id inputs (P MX 3214 B) P MX 3214 D: 25 pin Sub D; 110 OHM
	P MX 3214 B: BNC; 75 Ohm
Outputs	
Signal	4 x SDI 4:2:2 SMPTE 259M-CD (270 / 360 Mbps) with EDH
Connection	BNC
Impedance	75 Ohm
Jitter	< 0.2 UI
Operating Modes	
Embedding	Embed audio 4 x AES (two groups) in two of four user selectable groups in the SDI input stream
Input Lost	Module generates own SDI signal for embedding
Delete	Delete all selected audio groups.
Performance	
Fenomance	
AES input sample rate	48 KHz synchronous or 30 KHz48KHz
AES input sample rate	asynchronous
AES input sample rate AES sample size	asynchronous 20 or 24 bit
AES input sample rate	asynchronous 20 or 24 bit Local settings (dip switch) and via remote with
AES input sample rate AES sample size Control	asynchronous 20 or 24 bit Local settings (dip switch) and via remote with LYNX controller
AES input sample rate AES sample size Control Status Monitoring	asynchronous 20 or 24 bit Local settings (dip switch) and via remote with LYNX controller Local LED`s
AES input sample rate AES sample size Control Status Monitoring Electrical Specific	asynchronous 20 or 24 bit Local settings (dip switch) and via remote with LYNX controller Local LED's ations
AES input sample rate AES sample size Control Status Monitoring Electrical Specific Operating Voltage	asynchronous 20 or 24 bit Local settings (dip switch) and via remote with LYNX controller Local LED's ations + 5VDC
AES input sample rate AES sample size Control Status Monitoring Electrical Specific Operating Voltage Power Consumption	asynchronous 20 or 24 bit Local settings (dip switch) and via remote with LYNX controller Local LED`s ations + 5VDC 4,5 VA
AES input sample rate AES sample size Control Status Monitoring Electrical Specific Operating Voltage Power Consumption Connection	asynchronous 20 or 24 bit Local settings (dip switch) and via remote with LYNX controller Local LED's ations + 5VDC 4,5 VA DC input via 5 pin locking bayonet connector
AES input sample rate AES sample size Control Status Monitoring Electrical Specific Operating Voltage Power Consumption Connection Safety	asynchronous 20 or 24 bit Local settings (dip switch) and via remote with LYNX controller Local LED`s ations + 5VDC 4,5 VA
AES input sample rate AES sample size Control Status Monitoring Electrical Specific Operating Voltage Power Consumption Connection Safety Mechanical	asynchronous 20 or 24 bit Local settings (dip switch) and via remote with LYNX controller Local LED's ations + 5VDC 4,5 VA DC input via 5 pin locking bayonet connector IEC 60950/ EN 60950/VDE 0805
AES input sample rate AES sample size Control Status Monitoring Electrical Specific Operating Voltage Power Consumption Connection Safety Mechanical Size	asynchronous 20 or 24 bit Local settings (dip switch) and via remote with LYNX controller Local LED's ations + 5VDC 4,5 VA DC input via 5 pin locking bayonet connector IEC 60950/ EN 60950/VDE 0805 85.5mm x 35.3mm x 38.7mm + connectors
AES input sample rate AES sample size Control Status Monitoring Electrical Specific Operating Voltage Power Consumption Connection Safety Mechanical Size Weight	asynchronous 20 or 24 bit Local settings (dip switch) and via remote with LYNX controller Local LED's ations + 5VDC 4,5 VA DC input via 5 pin locking bayonet connector IEC 60950/ EN 60950/VDE 0805
AES input sample rate AES sample size Control Status Monitoring Electrical Specific Operating Voltage Power Consumption Connection Safety Mechanical Size Weight Ambient	asynchronous 20 or 24 bit Local settings (dip switch) and via remote with LYNX controller Local LED's ations + 5VDC 4,5 VA DC input via 5 pin locking bayonet connector IEC 60950/ EN 60950/VDE 0805 85.5mm x 35.3mm x 38.7mm + connectors 250g
AES input sample rate AES sample size Control Status Monitoring Electrical Specific Operating Voltage Power Consumption Connection Safety Mechanical Size Weight	asynchronous 20 or 24 bit Local settings (dip switch) and via remote with LYNX controller Local LED's ations + 5VDC 4,5 VA DC input via 5 pin locking bayonet connector IEC 60950/ EN 60950/VDE 0805 85.5mm x 35.3mm x 38.7mm + connectors 250g 5°C to 35°C Maintaining specifications
AES input sample rate AES sample size Control Status Monitoring Electrical Specific Operating Voltage Power Consumption Connection Safety Mechanical Size Weight Ambient Temperature	asynchronous 20 or 24 bit Local settings (dip switch) and via remote with LYNX controller Local LED's ations + 5VDC 4,5 VA DC input via 5 pin locking bayonet connector IEC 60950/ EN 60950/VDE 0805 85.5mm x 35.3mm x 38.7mm + connectors 250g 5°C to 35°C Maintaining specifications -20°C to +70°C Storage
AES input sample rate AES sample size Control Status Monitoring Electrical Specific Operating Voltage Power Consumption Connection Safety Mechanical Size Weight Ambient Temperature Humidity	asynchronous 20 or 24 bit Local settings (dip switch) and via remote with LYNX controller Local LED's ations + 5VDC 4,5 VA DC input via 5 pin locking bayonet connector IEC 60950/ EN 60950/VDE 0805 85.5mm x 35.3mm x 38.7mm + connectors 250g 5°C to 35°C Maintaining specifications -20°C to +70°C Storage Max 80% non condensing
AES input sample rate AES sample size Control Status Monitoring Electrical Specific Operating Voltage Power Consumption Connection Safety Mechanical Size Weight Ambient Temperature Humidity Supplied Accesso	asynchronous 20 or 24 bit Local settings (dip switch) and via remote with LYNX controller Local LED's ations + 5VDC 4,5 VA DC input via 5 pin locking bayonet connector IEC 60950/ EN 60950/VDE 0805 85.5mm x 35.3mm x 38.7mm + connectors 250g 5°C to 35°C Maintaining specifications -20°C to +70°C Storage Max 80% non condensing ries
AES input sample rate AES sample size Control Status Monitoring Electrical Specific Operating Voltage Power Consumption Connection Safety Mechanical Size Weight Ambient Temperature Humidity	asynchronous 20 or 24 bit Local settings (dip switch) and via remote with LYNX controller Local LED's ations + 5VDC 4,5 VA DC input via 5 pin locking bayonet connector IEC 60950/ EN 60950/VDE 0805 85.5mm x 35.3mm x 38.7mm + connectors 250g 5°C to 35°C Maintaining specifications -20°C to +70°C Storage Max 80% non condensing ries P MX 3214 Reference Manual and Quick Ref
AES input sample rate AES sample size Control Status Monitoring Electrical Specific Operating Voltage Power Consumption Connection Safety Mechanical Size Weight Ambient Temperature Humidity Supplied Accesso	asynchronous 20 or 24 bit Local settings (dip switch) and via remote with LYNX controller Local LED's ations + 5VDC 4,5 VA DC input via 5 pin locking bayonet connector IEC 60950/ EN 60950/VDE 0805 85.5mm x 35.3mm x 38.7mm + connectors 250g 5°C to 35°C Maintaining specifications -20°C to +70°C Storage Max 80% non condensing ries

Available Options

Below is a list of available options for the P MX 3212 MiniModule. Please refer to product brochures or our web site for more detailed information.

Model	Description
R PS 3001 E	External brick power supply module for Series 3000 MiniModules. European market version. 100-240 VAC input, +5V DC output.
R PS 3001 U	External brick power supply module for Series 3000 MiniModules. USA market version. 110-240 VAC input, +5V DC output.
R PS 3001-3	External desk power supply module for Series 3000 MiniModules. 110-240 VAC input, +5V DC output.
R FR 3004	4 Module mounting frame. This is a small mechanical mounting bracket for 4 MiniModules. Can be mounted with screws on any surface.
R FR 3005	Rack Frame 1. This is a basic 19 inch rack mountable frame which can accommodate 10 MiniModules with power bricks R PS 1 or can be extended with the R FR 3010.
R FR 3010	Rack Frame 2. This is a card cage with integrated central power supply, optional redundant power supply and optional controller, which can accommodate 10 MiniModules. Can be combined with R FR 3005
R PS C15	1.5m cable extension to connect one MiniModule to R FR 3010
R PS C25	2.5m cable extension to connect one MiniModule to R FR 3010
R PS 5010	Redundant power supply for the R FR 3010 card cage
R CT 5020	Rack controller for the R FR 3010 rack frame
R CT 5010	Rack Bus Extension for R FR 3010 rack frame. In combination with R CT 5020
R CT 3002	USB Service Adapter for remote configuration of one MiniModule via PC

Parts List

Due to the very dense design and high level of integration there are no user serviceable electronic assemblies within the P MX 3212 module.

P MX 3214 B Mini Module (complete)

Description Model Number Part Number Quad AES Multiplexer P MX 3214 -2 B 4.155.003.214

P MX 3214 D Mini Module (complete)

Description Model Number Part Number Quadl AES Multiplexer P MX 3214 -2 D 4.155.013.214

Service

If you are experiencing problems, or have questions concerning your P MX 3214 MiniModule please contact your local distributor for assistance.

We offer a fixed cost service exchange program for defective Series 3000 MiniModules out of Warranty. Please contact your distributor or check our web site for details on this program.

More detailed information and product updates may be available on our web site:

www.lynx-technik.com

You will also find links to contact us directly for assistance.

Contact Information

Please contact your local distributor; this is your local and fastest method for obtaining support and sales information.

LYNX Technik can be contacted directly using the information below.

Address	LYNX Technik AG Brunnenweg 64331 Weiterstadt Germany
Website	www.lynx-technik.com

E-Mail info@lynx-technik.com

LYNX Technik manufactures a complete range of high quality modular products for broadcast and Professional markets, please contact your local representative or visit our web site for more product information.



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Notes