

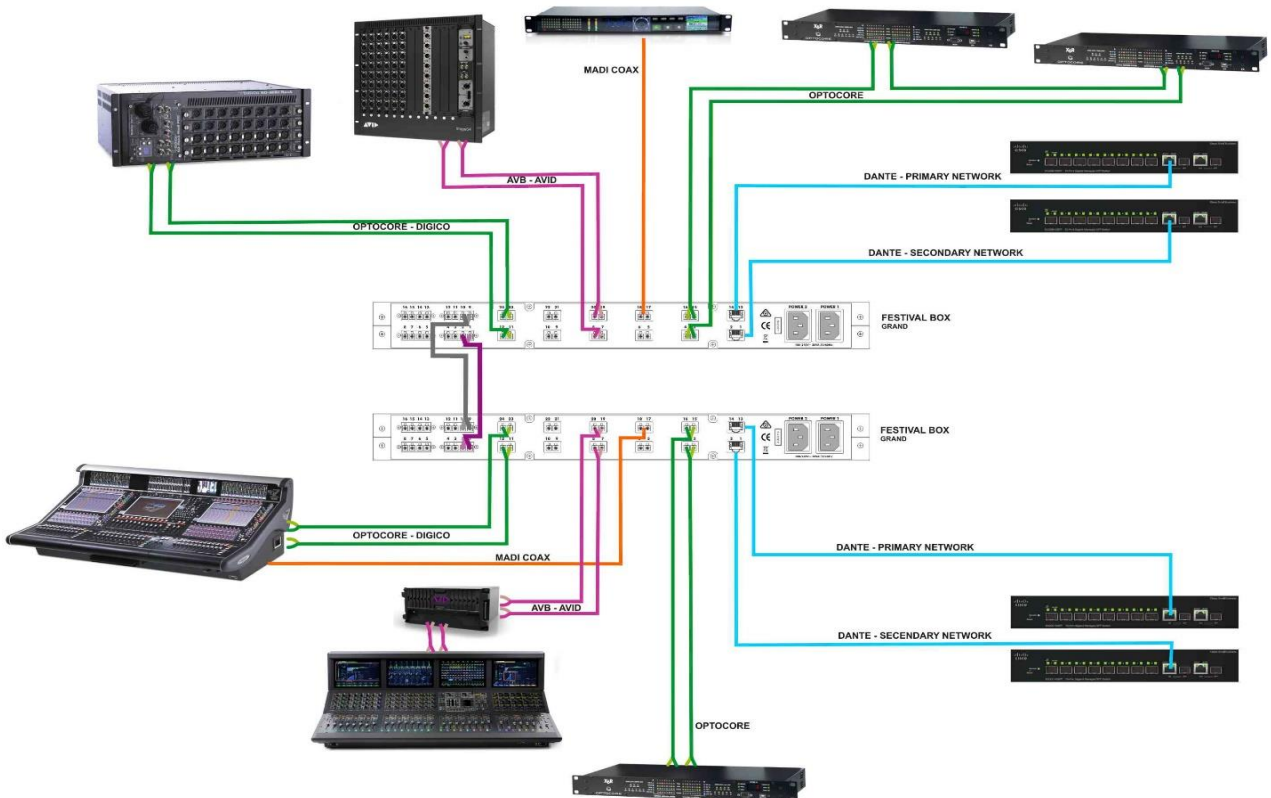
Festival Box connection interfaces

UK list
ex VAT



Festival Box is a fibre point to point system converter device. It provides six or twelve I/O SFP modules. Each SFP port can be equipped with any flavour interface e.g. Multimode, Singlemode, MADI, Ethernet RJ45 etc. compliant to MSA standard. It transports the signals in a transparent way. In addition to the SFPs there is a 1310nm and 1510nm aux port for addint extsting fibre equipmnet such as an Ethernet switch. Festival Box requires no user configuration or operation

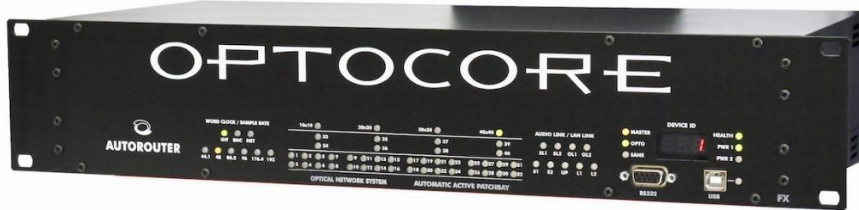
Festival Box Petit	1 x duplex MM fiber between devices, 6 x SFP slots, 1 x 1310nm & 1510nm AUX	£3,000.00
Festival Box Grande	2 x duplex MM fiber between devices, 12 x SFP slots, 2 x 1310nm & 1510nm AUX	£5,700.00



Prices quoted exclude VAT and delivery. Subject to change without notice.
 HHB Communications Limited, 73-75 Scrubs Lane, London, NW10 6QU

AutoRouter - Intelligent Patch Bay for Optocore

UK list
ex VAT



Optocore AutoRouter is compatible with Optocore, ProGrid and DiGiCo fiber loops, creating a redundant 'star' out of the ring topology. It can be used in the installation and live sound market, where mixed ring/star or star topology is more desirable due to a star based fibre cable layout. Optocore AutoRouter automatically discovers mobile devices and adds them to the Optocore loop. When mobile device is disconnected or powered down, AutoRouter automatically closes the loop with the remaining devices. It always discovers and switches the links automatically to establish redundancy, without any user action – there is no need to control or change fiber patching by user.

5 Dual-link Locations	10 Multimode 2 Gbit Transceivers	AR5MM	£4,550.00
5 Dual-link Locations	10 Singlemode 2 Gbit Transceivers	AR5SM	£5,560.00
10 Dual-link Locations	20 Multimode 2 Gbit Transceivers	AR10MM	£6,820.00
10 Dual-link Locations	20 Singlemode 2 Gbit Transceivers	AR10SM	£8,840.00
15 Dual-link Locations	30 Multimode 2 Gbit Transceivers	AR15MM	£9,090.00
15 Dual-link Locations	30 Singlemode 2 Gbit Transceivers	AR15SM	£12,120.00
20 Dual-link Locations	40 Multimode 2 Gbit Transceivers	AR20MM	£11,360.00
20 Dual-link Locations	40 Singlemode 2 Gbit Transceivers	AR20SM	£15,400.00

Redundant AutoRouter

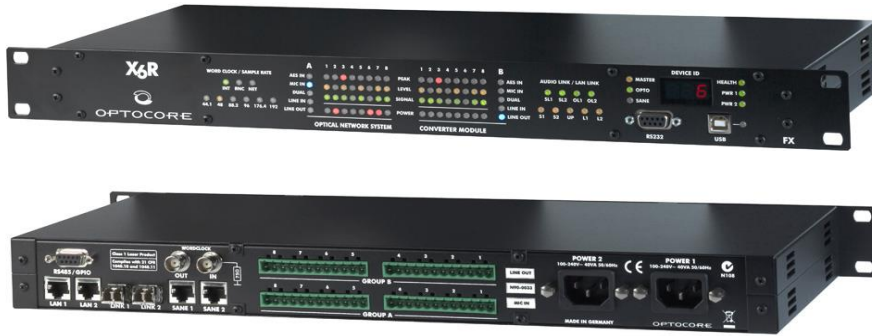
Bundles of Main and Backup AutoRouters with OptoSplitter

Optocore Redundant AutoRouter is compatible with Optocore, ProGrid and DiGiCo fiber loops, creating a redundant 'star' out of the ring topology. It can be used in the installation and live sound market, where mixed ring/star or star topology is more desirable due to a star based fibre cable layout. OptoSplitter is a passive optical device and so does not add a point of failure. The switchover is automatic.

5 Dual-link Locations	10 Multimode 2 Gbit Transceivers	RAR5MM	£13,640.00
5 Dual-link Locations	10 Singlemode 2 Gbit Transceivers	RAR5SM	£16,660.00
10 Dual-link Locations	20 Multimode 2 Gbit Transceivers	RAR10MM	£20,450.00
10 Dual-link Locations	20 Singlemode 2 Gbit Transceivers	RAR10SM	£26,500.00
15 Dual-link Locations	30 Multimode 2 Gbit Transceivers	RAR15MM	£27,260.00
15 Dual-link Locations	30 Singlemode 2 Gbit Transceivers	RAR15SM	£36,350.00
20 Dual-link Locations	40 Multimode 2 Gbit Transceivers	RAR20MM	£34,080.00
20 Dual-link Locations	40 Singlemode 2 Gbit Transceivers	RAR20SM	£46,190.00

X6R FX - SANE and OPTOCORE Network Interfaces

UK list
ex VAT



The X6R is a converter unit with the highest degree of flexibility concerning the I/O configuration. Six different card types enable customisation of the I/O on the rear of the device, the conversion of analogue signals – 16 inputs, 16 outputs, 8 inputs and 8 outputs or dual microphone inputs with two independent adjustable preamps – to AES/EBU is provided as well as the sample rate conversion for AES/EBU. Fifteen different versions are available. The AES/EBU card could be set from 16 channels to 8 channels in combination with mic IN, line IN or line OUT card and IN/OUT configuration can be changed in groups of 8 channels Audio and Data is exchangeable from OPTOCORE to SANE and vice versa. The X6R is especially designed for rack mounted applications and permanent installation. All cards are equipped with Euroblock connectors. With the other Optocore or SANE devices, the X6R-FX offers a great flexibility to build the network exactly suiting an application's need. These common installation interfaces provide a simple and cost-efficient connection to other audio equipment.

X6R-FX-16MI	16-Ch Mic In	£4,900.00
X6R-FX-16LI	16-Ch Line In	£4,290.00
X6R-FX-16LO	16-Ch Line Out	£4,490.00
X6R-FX-8MI/8LI	8-Ch Mic In & 8-Ch Line In	£4,590.00
X6R-FX-8MI/8LO	8-Ch Mic In & 8-Ch Line Out	£4,690.00
X6R-FX-8LI/8LO	8-Ch Line In & Out	£4,390.00
X6R-FX-DualMic	8-Ch Mic Input w/Dual Preamps	£4,140.00
X6R-FX-16AE	16-Ch AES In & Out	£2,750.00
X6R-FX-16AE-SRC	16-Ch AES In & Out w/ SRC	£3,440.00
X6R-FX-8AE/8MI	8-Ch Mic In & 8-Ch AES I/O	£4,010.00
X6R-FX-8AE-SRC/8MI	8-Ch Mic In & 8-Ch AES w/ SRC	£4,700.00
X6R-FX-8AE/8LI	8-Ch Line In & 8-Ch AES I/O	£3,700.00
X6R-FX-8AE-SRC/8LI	8-Ch Line In & 8-Ch AES w/ SRC	£4,390.00
X6R-FX-8AE/8LO	8-Ch Line Out & 8-Ch AES I/O	£3,800.00
X6R-FX-8AE-SRC/8LO	8-Ch Line Out & 8-Ch AES w/ SRC	£4,490.00

V3R FX - SANE and OPTOCORE Network Interfaces



8 Channel version of the X6R-FX with Mic in, Line In or Line Out

V3R-FX-8MI	8-Ch Mic In	£3,650.00
V3R-FX-8LI	8-Ch Line In	£3,340.00
V3R-FX-8LO	8-Ch Line Out	£3,440.00

X6R TP - SANE Network Interfaces

UK list
ex VAT



The TP version of the X6R is for a SANE CAT5 network that can be used for local I/O expansion of an Optocore fibre ring. The Optical I/O of the X6R FX is replaced by 16-channels of AES/EBU I/O

X6R-TP-16MI	16-Ch Mic In	£4,030.00
X6R-TP-16LI	16-Ch Line In	£3,410.00
X6R-TP-16LO	16-Ch Line Out	£3,610.00
X6R-TP-8MI/8LI	8-Ch Mic In & 8-Ch Line In	£3,720.00
X6R-TP-8MI/8LO	8-Ch Mic In & 8-Ch Line Out	£3,820.00
X6R-TP-8LI/8LO	8-Ch Line In & Out	£3,510.00
X6R-TP-DualMic	8-Ch Mic Input w/Dual Preamps	£3,270.00

V3R TP - SANE Network Interfaces



The TP version of the X3R is for a SANE CAT5 network that can be used for local I/O expansion of an Optocore fibre ring. The Optical I/O of the X3R FX is replaced by 16-channels of AES/EBU I/O

V3R-TP-8MI	8-Ch Mic In	£2,770.00
V3R-TP-8LI	8-Ch Line In	£2,470.00
V3R-TP-8LO	8-Ch Line Out	£2,570.00

Intercom X6R Devices

UK list
ex VAT



Optocore's intercom device is seamlessly integrated into the OPTOCORE® OPTICAL DIGITAL NETWORK SYSTEM. Intercom messages and control data from Clear-Com/RTS/Riedel user panel or matrix are sent transparently through the optical network. Each single intercom channel can be routed to every device in the network by the OPTOCORE CONTROL software.

X6R-FX-INTERCOM-IC422	8 Four Wire Intercom ports with RS422 control for Clear-Com	£3,610.00
X6R-FX-INTERCOM-IC485	8 Four Wire Intercom ports with RS485 control for RTS	£3,610.00
X6R-FX-INTERCOM-IC444	8 channel Line In, 8 channel Line Out with GPIO and DC output	£3,610.00
X6R-FX-INTERCOM-ICAES	4 AES Intercom ports with control for AES3-based intercom	£3,330.00

Intercom V3R Devices



V3R-FX-INTERCOM-IC422	4 Four Wire Intercom ports with RS422 control for Clear-Com	£3,000.00
V3R-FX-INTERCOM-IC485	4 Four Wire Intercom ports with RS485 control for RTS	£3,000.00
V3R-FX-INTERCOM-IC444	4 channel Line I/O with GPIO and DC output	£3,000.00

M SERIES (MADI)

UK list
ex VAT



Incorporating Optocore fibre network and SANE CVAT5 ports the The M Series can be used at standalone or networked MADI switches

M12-OPT	8 Optical MADI Ports, 2 MADI Cat Ports	£3,790.00
M12-BNC	8 Coaxial MADI Ports, 2 MADI Cat Ports	£3,790.00
M12-OPT/BNC	4 Optical and 4 Coaxial MADI Ports, 2 MADI Cat Ports	£3,790.00
M8-OPT	4 Optical MADI Ports, 2 MADI Cat Ports	£3,030.00
M8-BNC	4 Coaxial MADI Ports, 2 MADI Cat Ports	£3,030.00

Digital I/O Devices



The digital I/O devices are for adding MADI or AES I/O to the network. They also incorporate composite video I/O

DD32R-FX	32 AES pairs configurable as ins or outs in 8-ch blocks	£3,600.00
DD2FR-FX	2 x 64 MADI In + 2 x 64 MADI Out via SC fibre optical port	£3,030.00
DD4MR-FX	2 x 64 MADI In + 2 x 64 MADI Out via BNC port	£3,030.00

Yamaha mini YGDAI modules



YG2	Master Yamaha YGDAI module with 8 or 16 audio I/O for 1 Gb Optocore network	£1,520.00
YS2	Cascade card to add additional I/O to YG2	£510.00
Y3R-TP	Yamaha YGDAI module with 16 audio I/O for SANE network	£560.00

Prices quoted exclude VAT and delivery. Subject to change without notice.
 HHB Communications Limited, 73-75 Scrubs Lane, London, NW10 6QU