

Bidirectional DMX<->ArtNet/sACN converter, splitter, booster, intelligent merger with fibre optic link



Rack mounted Unitech ART Fiber PRO is smart solution to transmit more DMX universes through single Ethernet LAN 10/100Base-T or fibre 100Base-FX link and especially advantageous for long distance installations to establish safety ring network for data backup. Fibre link enhances length of direct communication between transceivers up to 2000 metres eliminating use of switches or repeaters.

Merges two incoming ArtNet streams as well as any combination of ArtNet and DMX streams into DMX output for perfect show backup. All DMX ports may be used as inputs or outputs. Compatible with any hardware and software supporting ArtNet and sACN protocols. Configuration through web-based management page and ArtGate Manager utility.



DMX Bi-Direct



2 IP addresses per Device



User-Friendly Web Interface



Supports RDM



Power over Ethernet



UltraStart



Galvanically Isolated Ports



Natural Heat Convection

Application

Working with lighting installations when distance between FOH console and stage exceeds 100 metres

Transmit more DMX streams with less cables

Lighting control and management through single network (Ethernet + fibre)

Convert mapped video content from mapping software into DMX streams

Ensure interfacing between modern stage lighting software and DMX lighting

Real-time control of video projectors and laser units supporting ArtNet or sACN from DMX console

Advantages

Integrated fibre optic port, support PoE

Minimum loading time, fastest recovery after short power failure

Master IP that never gets lost

Full protection from dust and smoke increases product lifetime

Maximum surge protection (100-315 V)

Full galvanic isolation of all ports

Simple user-friendly web interface

Configurable DMX port direction

Merging Options

HTP: highest takes precedence

LTP: latest takes precedence

AUTO: last modified takes precedence – intelligent merging mode that provides availability to manage installation from two consoles simultaneously

OVERLAY: merges custom slots from two ArtNet/sACN streams, fully customized through web interface

PRIORITY: for sACN streams with priority tag, console with the highest priority for a given Universe will be in charge

Unitech ART Fiber

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Technical Specifications

Mechanical

- Housing: Solid case
- Material: Metal
- Dimensions, mm: 482(D) x 44(H) x 110(W)
- Mass: 1.2 kg
- Mounting: Rack 1 unit

Power & Electrical

- Power supply: ~90-250 VAC, 50/60 Hz; PoE
- Input Power (max): 5W
- Mains Fuse: 0.5 A

Environmental

- Operating Temperature: 0...+60°C
- Storage Temperature: -50...+70°C
- Operating Relative Humidity (max): 95%
- IP Rating: IP 20
- Certification: CE, RoHS
- Warranty: 36 Month (Return to base)

Control / Data Connections

- Supported protocols: ArtNet I, II, III, IV/ sACN, DMX512, RDM
- Data refresh rate: 44 Hz

Inputs / Outputs

- DMX ports: 8
- Connectors: 1 XLR (M), 8 XLR (F) (5-pin, 3-pin)
- Ethernet port: 10/100 Base-TX (up to 100m)
- Fiber port: 100 Base-FX (up to 2000 m)
- Fiber Optic connectors: duplex SC
- Ethernet connectors: RJ-45/ EtherCon

Configuration / Indication

- Setup: Web interface
- Indication: LEDs for DMX and Ethernet activity

Package Contents

- Unitech ART Fiber Pro
- User guide
- Power cable

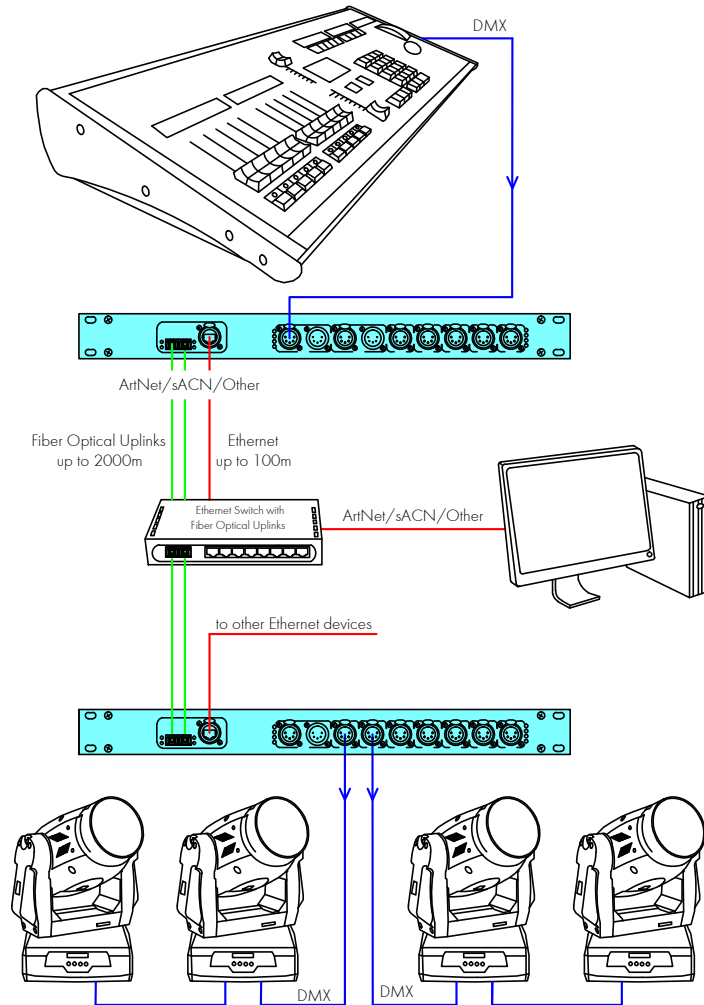
Product Line

Name	Modification	Product code
Unitech ART FiberPro	8 DMX inputs/outputs (3-pin), 1 Ethernet port, 1 Fiber port	AJP-3-8DEF
	8 DMX inputs/outputs (5-pin), 1 Ethernet port, 1 Fiber port	AJP-5-8DEF

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Connection Scheme



Accessories

Name	Product code
Truss mounting kit	UNI-1-TMK
Ethernet Cable 3m	DMX-ACC-ETH-0300

Disclaimer

To the best of our knowledge, the technical data contained herein is true and accurate at the date of issuance and is subject to change without prior notice. No liability accepted for errors or omissions. Always make sure to use the most recent release and contact Unitech Digital media Srl at info@unitechdigitalmedia.com to verify correctness before placing your order.