

Specification



LED / LCD

Dual Port AES50 Fiber Optic Extender

- 2 * AES50 etherCON Socket
- 44.1KHZ · 48KHz · 96Hz
- LC · 10Km
- Single Mode

AMS-AES50

Safety

This Chapter Illustrates Safety Of The AMS-AES50 Fiber Optic Transceiver To Ensure The Product's Storage, Transport, Installation And Use Safety. Safety Instructions Are Applicable To All Personnel Who Contact Or Use The Product. First Of All, Pay Attention To Following Points.

- Read Through The Instructions.
- Retain All Instructions.
- Comply With All Instructions

■ Storage And Transport Safety

- Pay attention to dust and water prevention.
- Avoid long-term direct sunlight.
- Do not place the product at a position near fire and heat.
- Do not place the product in an area containing explosive materials and strong electromagnetic environment.
- Place the product at a stable position to prevent damage or personal injury caused by dropping.
- Save the packing box and materials which will come in handy if you ever have to store and ship the product. For maximum protection during storage and shipping, repack the product as it was originally packed at the factory.

■ Installation And Use Safety

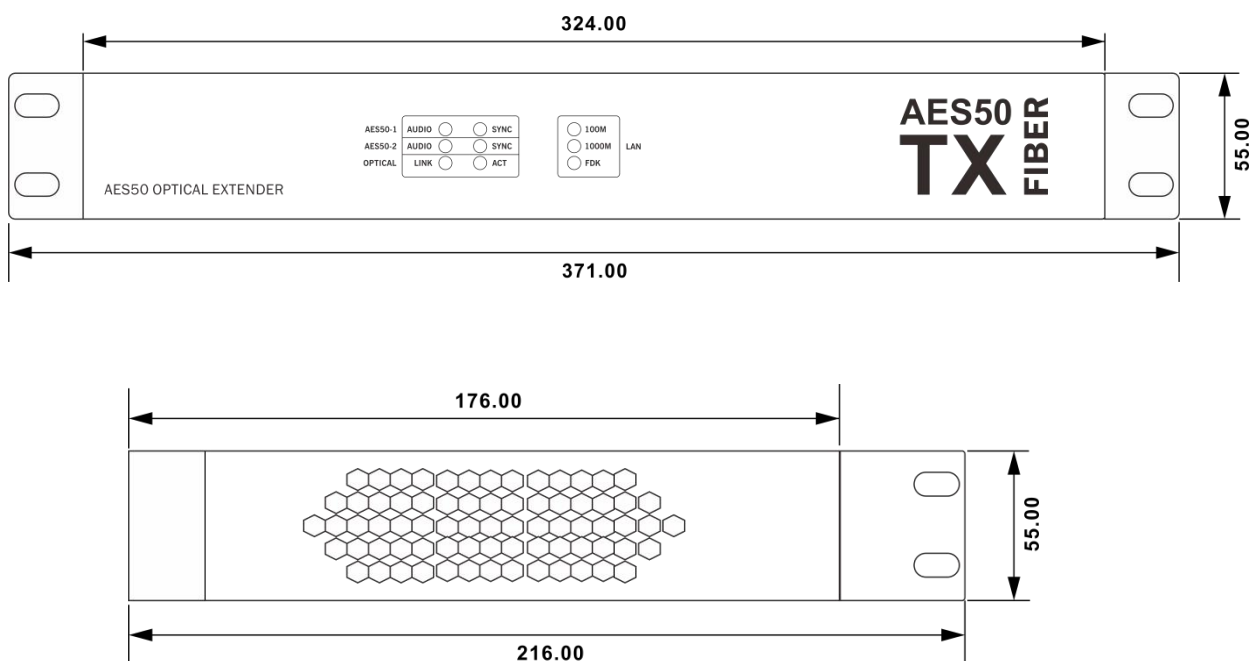
- Only trained professionals may install the product.
- Plugging and unplugging operations are prohibited when the power is on.
- Ensure safe grounding of the product.
- Always wear a wrist band and insulating gloves.
- Do not place the product in an area having frequent or strong shake.
- Perform dust removing regularly.
- Contact Amoonsky for maintenance at any time, rather than have the product disassembled and maintained by non-professionals without authorization.
- Replace faulty parts only with the spare parts supplied by Amoonsky.

■ Overview

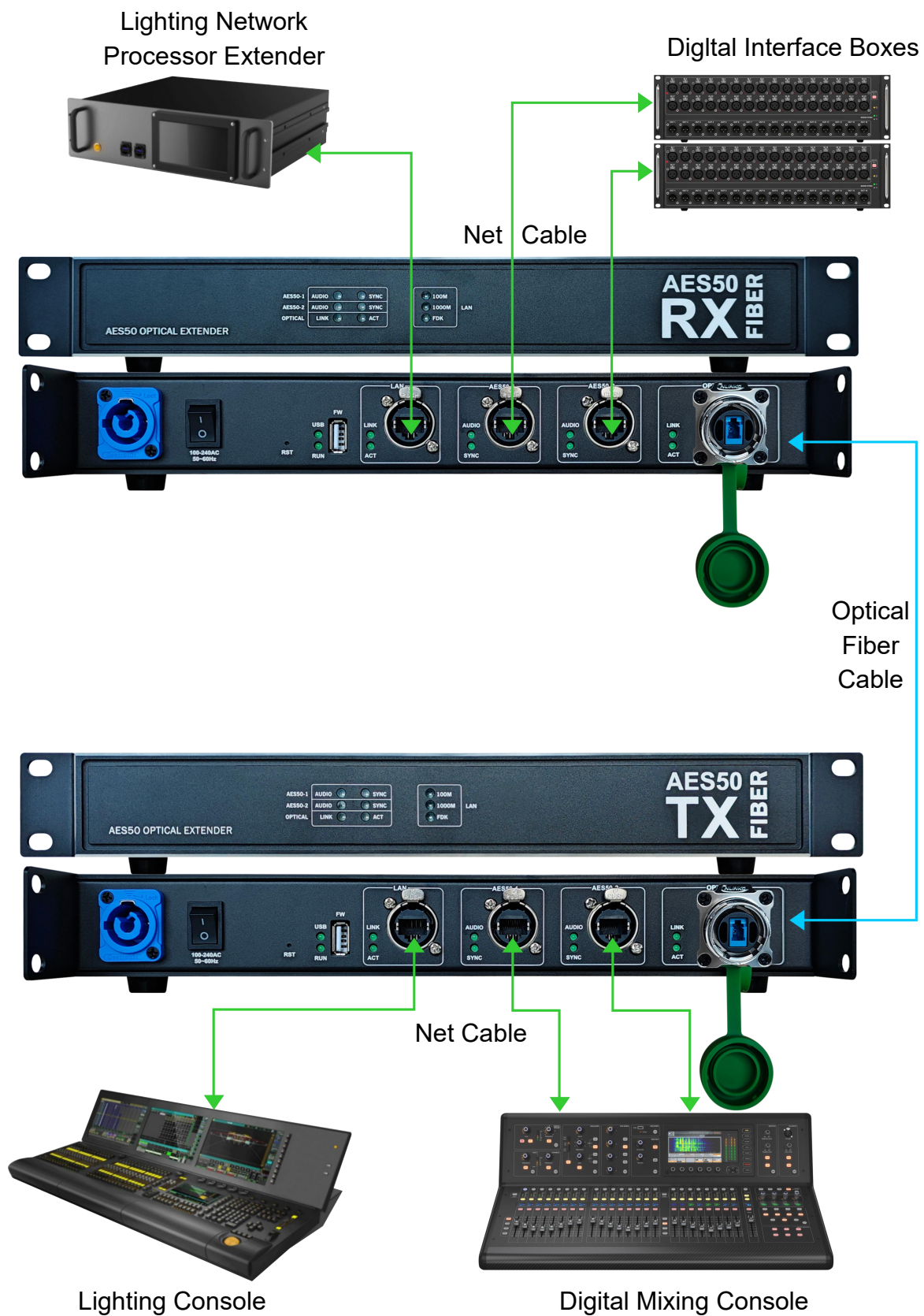
The Device AMS-AES50 Is A Professional AES50 Fiber Optic Extender Or Transceiver, Designed To Convert AES50 Interfaces To Single Mode Optical Signals For Long Distance Transmission. It Is Suitable For Use With Midas And Behringer Digital Consoles, Providing Audio Professionals With A High Performance Audio Transmission Solution.

- **Interfaces** -- 2 x AES50 etherCON Socket, 1 x Gigabit Network etherCON Socket, 1 x LC Optic Aviation Socket;
- **Plug And Play** -- Automatic Matching Of All Input And Output; Strong Compatibility; And Have Indicator Lights Indicating The Status;
- **Transmission** -- Supports Single Mode Single Fiber To Transmission, The Maximum Transmission Distance Of 10KM.
- **Program Algorithm** -- The Device Built-in Program Adopts The Latest Transmission Equalization Algorithm, Realize Transmission Uncompressed And Zero Latency;
- **Audio** -- Audio Sampling Rate Support 44.1K Hz, 48K Hz, 96K Hz;
- AES50 Adopts Aviation Grade Connector, Anti-Pressure, Anti-Stretching, Waterproof And Dustproof;

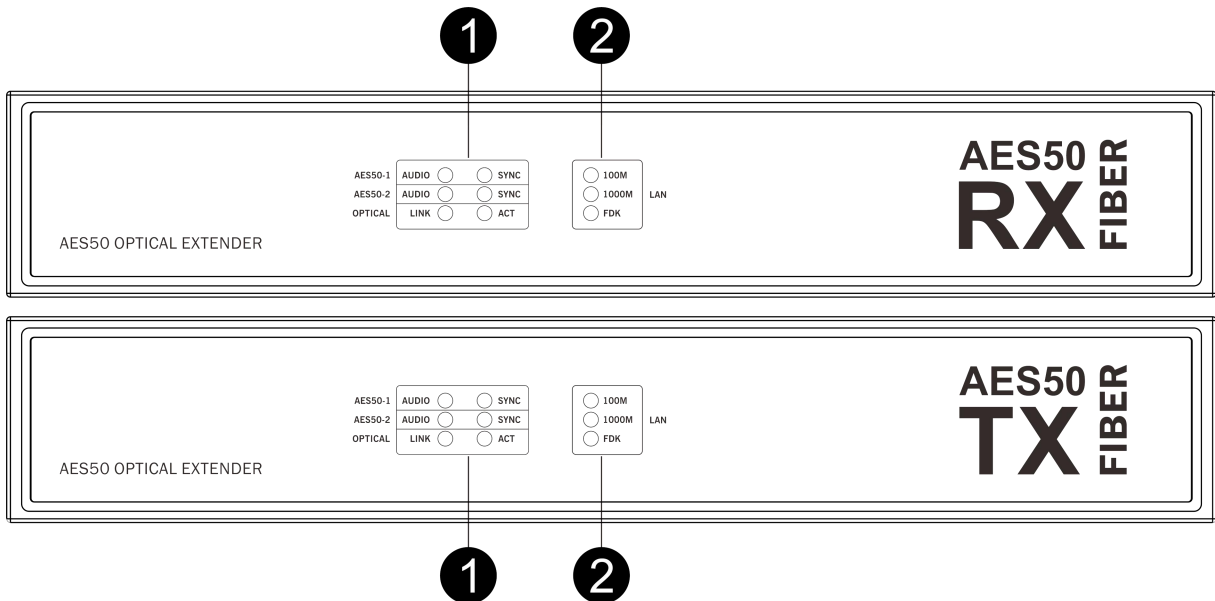
■ Size



■ Application



■ Introduction

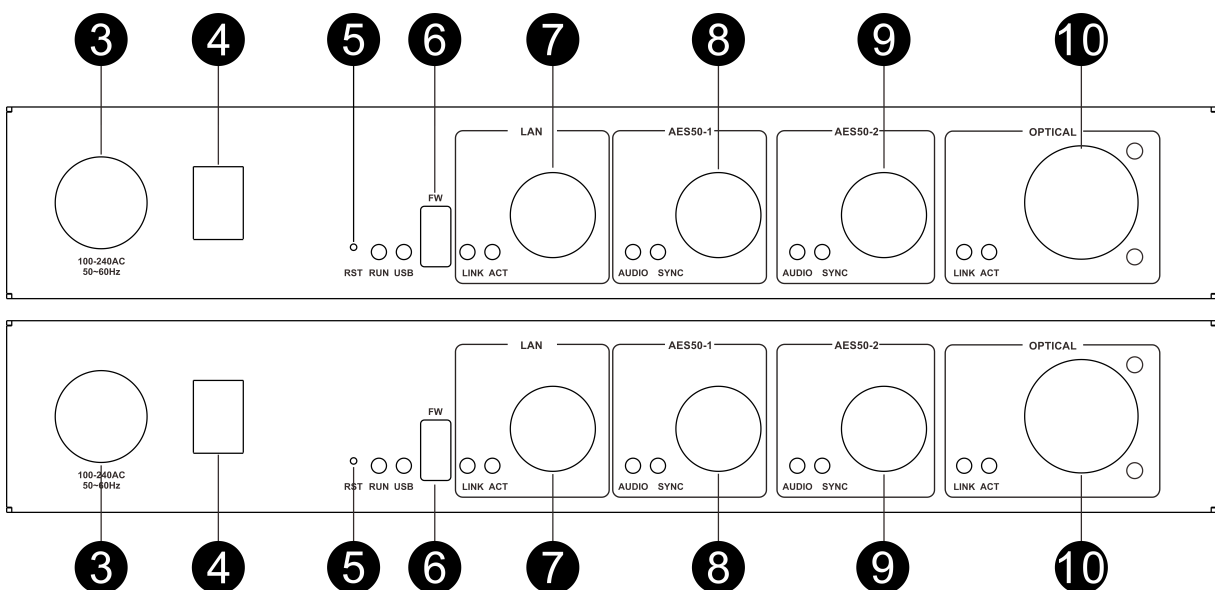


➤ 1 -- Status Indicator

AES50-1 / AES50-2 : Audio Light ON -- Communication Normal;
 Sync Light ON -- AES50 Protocol Connected Normal;
 OPTICAL : Link Light ON -- Optic Fiber Communication Normal;
 Act Light ON -- Data Transmission&Receiving Are Normal;

➤ 2 -- LAN Indicator

100M Light On -- Network Transmission Of 100Mbps;
 1000M Light On -- Network Transmission Of 1Gbps;
 FDK Light On -- Full Duplex;



- **3 -- Power Socket**
NL4FC Aviation Connector. Input 100-240V AC 50/60Hz;
- **4 -- Power Switch**
Connect The Power Cable Can Turn On or Turn Off The Device;
- **5 -- RST Button**
Press The Button Will To Restore The Device To Factory Settings;
- **6 -- FW · Upgrade interface**
USB Port -- Update The Device Software By USB Disk;
USB Light On -- The Device Identification The USB Disk;
RUN Light -- The Indicator Light Is Flicker, Indicating That The Device Is Running Normal;
- **7 -- LAN Port**
RJ45 Port, Can Connect To Lighting Console Series Products Or Network Transmission Equipment;
The LED Indicator Represents The Operating Status Of The Channel;
- **8, 9 -- AES50 Port**
8, 9 Representing Two Different Channels Respectively;
The LED Indicator Represents The Operating Status Of The Channel;
- **10 -- Fiber Optic Interface**
LC Port, Single Mode;
Transmission Max Distance 10Km;
The LED Indicator Represents The Channel Operating Status;

Specifications

Port Specifications		
LAN Port	Interface Type: RJ45, Quantity: 2; Support 10M Bps, 100M Bps, 1.0GBps; Recommended Net Cable Length ≤ 80M;	
AES50 Port	Interface Type: RJ45, Quantity: 4; Supports Sampling Rate Of 44.1K Hz, 48K Hz, 96K Hz; Recommended Net Cable Length ≤ 80M;	
Optical Port	LC Port, Single Mode; Transmission Distance ≤ 10Km;	
USB Port	Interface Type: USB-A, Quantity: 1, Upgrade Software;	
Power Socket	NL4FC Aviation Connector, Quantity: 2, Input 100-240V AC 50/60Hz;	
RST Button	Press The Button Will To Restore The Device To Factory Settings;	
General Specifications		
Power Supply	Built-in, 100～240V AC, 50～60Hz;	
Temperature	Storage : T: -40℃ ~ +80 ℃ 、 H: 10% ~ 90%, Non-condensing; Working: T: 0 ℃ ~ +60 ℃ 、 H: 10% ~ 90%, Non-condensing;	
Machine Size	375mm (Length) x 220 mm (Width) x 55mm (Height)	
Packing Size	475mm (Length) x 375 mm (Width) x 235mm (Height)	
Product Weight	Gross Weight : 7Kg ;	
Package Weight	Volume Weight: 8.5Kg ;	
Warranty	1 Year; Note: All Rated Voltages Are On Average ±10%;	
Packing List		
Standard	Power Cable * 2, Mounting Bracket * 2; Certificate * 1;Warranty Card * 1;	
Model	Description	P/N
AMS-AES50	Standard Model	PN202603005