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AMX FG1010-500

AMX FG1010-500 Dxlink HDMI Twisted Pair Receiver User Manual

Model: FG1010-500

INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of the AMX FG1010-500 Dxlink HDMI Twisted Pair Receiver with Smartscale. Please read this manual thoroughly before using the device to ensure proper functionality and to prevent damage.

The AMX FG1010-500 is designed to receive HDMI signals over twisted pair cabling, incorporating Smartscale technology for optimal display compatibility. It is an integral component in professional audio/video distribution systems.

SAFETY INFORMATION

Always adhere to the following safety guidelines to prevent injury and damage to the equipment:

- Do not expose the device to water or excessive moisture.
- Ensure proper ventilation to prevent overheating.
- Use only the power supply specified by AMX for this device.
- Do not attempt to open or service the unit yourself. Refer all servicing to qualified personnel.
- Keep the device away from heat sources and direct sunlight.

PACKAGE CONTENTS

Verify that all items are present in the package:

- AMX FG1010-500 Dxlink HDMI Twisted Pair Receiver
- Power Supply Unit
- Mounting Hardware (if applicable)
- Quick Start Guide (this manual provides full details)

SETUP

Follow these steps to set up your AMX FG1010-500 receiver:

1. Physical Placement

Place the receiver in a location with adequate ventilation, away from direct heat sources. Ensure it is securely mounted if using mounting hardware.

2. Connecting the Twisted Pair Cable

Connect a compatible twisted pair cable (e.g., Cat5e, Cat6, Cat7) from the Dxlink transmitter to the Dxlink input port on the FG1010-500 receiver.



Image: Front and rear view of the AMX FG1010-500 receiver, showing the Dxlink input port and other connections. The Dxlink port is typically an RJ45 connector.

3. Connecting to a Display Device

Connect an HDMI cable from the HDMI output port on the FG1010-500 receiver to the HDMI input port on your display device (e.g., TV, projector, monitor).

4. Power Connection

Connect the provided power supply unit to the DC power input on the receiver, then plug the power supply into an appropriate electrical outlet. The power indicator LED should illuminate.

OPERATING

Once the setup is complete, the AMX FG1010-500 receiver operates largely automatically. Here are key operational aspects:

Automatic Signal Detection

The receiver automatically detects the incoming HDMI signal from the Dxlink transmitter. Ensure the transmitter is powered on and sending a signal.

Smartscale Technology

The integrated Smartscale technology automatically scales the video resolution to match the native resolution of the connected display device, ensuring optimal picture quality without manual configuration.

Status Indicators

Observe the LED indicators on the unit. A solid power LED indicates the unit is receiving power. Other LEDs may indicate signal lock or data transmission status. Refer to the device's front panel for specific LED meanings.

MAINTENANCE

The AMX FG1010-500 receiver requires minimal maintenance to ensure long-term reliable operation:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the unit. Do not use liquid cleaners or aerosols.
- **Ventilation:** Ensure that ventilation openings are not blocked. Periodically check for dust accumulation and gently remove it if necessary.
- **Firmware Updates:** Check the AMX official website periodically for any available firmware updates for your model. Follow the instructions provided by AMX for any update procedures.

TROUBLESHOOTING

If you encounter issues with your AMX FG1010-500 receiver, refer to the following troubleshooting guide:

No Video Output

- **Check Power:** Ensure the receiver is powered on and the power LED is illuminated.
- **Cable Connections:** Verify that all HDMI and twisted pair cables are securely connected at both ends.
- **Source Device:** Confirm that the source device (connected to the Dxlink transmitter) is powered on and outputting a signal.
- **Display Input:** Ensure your display device is set to the correct HDMI input.
- **Transmitter Functionality:** Verify that the Dxlink transmitter is functioning correctly.

Poor Video Quality / Flickering

- **Cable Quality:** Ensure high-quality HDMI and twisted pair cables are used. Long or low-quality cables can degrade signal integrity.
- **Cable Length:** Verify that the twisted pair cable length is within the specifications for Dxlink technology.
- **Interference:** Check for potential sources of electromagnetic interference near the cables or devices.

No Audio Output

- **Audio Settings:** Check the audio settings on your source device and display.
- **HDMI Cable:** Ensure the HDMI cable supports audio transmission.

SPECIFICATIONS

Model Number	FG1010-500
Product Dimensions	8.71 x 5.15 x 1 inches
Item Weight	1 pounds
Brand	AMX
Connector Type	HDMI
Cable Type	HDMI (output) / Twisted Pair (input)
Compatible Devices	Devices with HDMI output (source), Displays with HDMI input (sink)
Technology	Dxlink, Smartscale

WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official AMX website or contact AMX customer service directly. Keep your purchase receipt as proof of purchase for warranty claims.

AMX Official Website: www.amx.com

Customer Support: Refer to the contact section on the AMX website for phone numbers and email support.

