Xantech 282X

Xantech 282X Mouse Emitter Instruction Manual

Model: 282X

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Xantech 282X Mouse Emitter. Please read this manual thoroughly before using the product to ensure proper function and longevity.

2. PRODUCT OVERVIEW

The Xantech 282X is an infrared (IR) emitter designed for discreet placement within electronic components. It facilitates the transmission of IR signals from a remote control system to a device, allowing for control without visible external emitters. Its design allows for internal installation, providing a clean and integrated appearance.

Figure 1: The Xantech 282X Mouse Emitter, showing the emitter head, cable, and 3.5mm jack connector. The cable length is approximately 10 feet.

Key Features:

- Designed for internal placement within component cases for a clean aesthetic.
- 10-foot wire length for flexible installation.
- Infrared connectivity for remote control systems.

3. SETUP

1. **Identify Target Device:** Determine the electronic component (e.g., receiver, DVD player) that requires IR control and where its IR sensor is located.

2. **Access Component Interior:** Carefully open the casing of the target device. Refer to the device's own instruction manual for safe access procedures. Ensure the device is powered off and unplugged before proceeding.

3. **Position the Emitter:** Place the small emitter head of the 282X directly over or very close to the IR sensor of the target device. The goal is to ensure the emitted IR signal is effectively received by the device. Secure the emitter head if necessary, ensuring it does not obstruct any internal components or ventilation.

4. **Route the Cable:** Route the 10-foot cable out of the component casing, ensuring it does not interfere with moving parts, ventilation, or create pinch points. Close the component casing securely.

5. **Connect to IR Repeater/Controller:** Plug the 3.5mm jack of the 282X emitter cable into an available emitter output port on your Xantech IR repeater or control system.

6. **Power On and Test:** Reconnect power to the target device and your IR control system. Test the functionality by using your remote control to operate the device. Adjust emitter placement if signals are not consistently received.

Note: Always ensure proper ventilation for all electronic components. Avoid placing the emitter in a way that blocks airflow or causes overheating.

4. OPERATING INSTRUCTIONS

Once the Xantech 282X Mouse Emitter is correctly installed and connected to an IR repeater system, its operation is seamless and automatic. When you use your remote control, the IR repeater system will receive the signal, convert it, and transmit it through the 282X emitter to your target device.

- Ensure your remote control has fresh batteries.
- Point your remote control towards the IR receiver of your control system (not directly at the device with the emitter).
- Verify that the target device responds to commands.

5. MAINTENANCE

The Xantech 282X Mouse Emitter requires minimal maintenance. Follow these guidelines to ensure optimal performance:

- **Cleaning:** If the emitter head becomes dusty, gently wipe it with a soft, dry cloth. Do not use liquid cleaners or abrasive materials.
- **Cable Inspection:** Periodically inspect the emitter cable for any signs of damage, such as cuts, kinks, or fraying. Damaged cables should be replaced to prevent signal loss.
- **Environmental Conditions:** Ensure the emitter and connected components are kept in a dry environment, away from extreme temperatures and direct sunlight.

6. TROUBLESHOOTING

If you experience issues with your Xantech 282X Mouse Emitter, consider the following troubleshooting steps:

- **Device Not Responding:**

  - Verify the emitter head is correctly positioned over the target device's IR sensor. Slight adjustments may be necessary.
  - Ensure the 3.5mm jack is fully inserted into the IR repeater's emitter output.
  - Check the IR repeater system itself for proper operation and power.
  - Confirm your remote control is functioning and its batteries are not depleted.

- **Intermittent Control:**

- This often indicates suboptimal emitter placement. Re-evaluate the emitter's position relative to the device's IR sensor.
  - Ensure no obstructions are blocking the IR signal path from the emitter to the device's sensor.

- **No Power/Signal:**

  - Confirm all components of your IR control system (IR receiver, power supply, repeater) are powered on and functioning.
  - Inspect the emitter cable for any visible damage.

If issues persist after following these steps, contact Xantech customer support or consult a professional installer.

7. SPECIFICATIONS

Model Number	282X
Brand	Xantech
Connectivity Technology	Infrared
Wire Length	10 feet (approximately 3 meters)
Item Weight	0.8 ounces (approximately 22.7 grams)
Package Dimensions	5 x 4.6 x 0.5 inches (approximately 12.7 x 11.7 x 1.3 cm)
Manufacturer	XANTECH CORP

8. WARRANTY AND SUPPORT

For information regarding warranty coverage, technical support, or service, please refer to the official Xantech website or contact Xantech customer service directly. Keep your purchase receipt as proof of purchase.
Manufacturer: XANTECH CORP

Related Documents - 282X

[Xantech 590-10 Programmable Controller Installation Guide](#)
This guide provides comprehensive installation and programming instructions for the Xantech 590-10 Programmable Controller, including setup with Dragon Drop-IR software for custom home automation systems.

[Xantech XTC and XTC Reference Series Ceiling and In-Wall Speaker Installation Instructions](#)
Comprehensive installation guide for Xantech XTC and XTC Reference series ceiling and in-wall loudspeakers, covering setup, wiring, speaker placement, new and existing construction installation, finishing touches, and troubleshooting.

[Xantech MRC88/MRAUDIO8X8 Quick Start Guide: Installation and Setup](#)
Get started with your Xantech MRC88 and MRAUDIO8X8 multi-zone audio and video distribution system. This quick start guide covers essential planning, installation, wiring, and basic setup procedures.