Installation Instructions

AUDICY

Remote Control

Model AD/RMT

Remote Control Option

The Audicy Remote Control Module attaches to the Audicy Console, via serial RS-232, and provides 8 opto-isolated inputs for main transport controls and 8 relay outputs for triggering external devices.

Important: Remote Control requires Audicy Software Version 2.0A7, or higher. If your system is not running this version, you need to install the software disks included with this package. If you are upgrading from Audicy Software Version 1.50, you will first need to install Basic Utilities and QEMM.

Unpacking

This kit includes:

- Audicy Remote Control Module

- Power Supply, 120V AC, 500mA

- 25-foot Phone Cable with 9-pin D-type Adapter, for connecting Remote Control Module to Console

Preparing Remote Control

Power Requirements

The remote control requires 9-12 volts AC via a 2.1mm barrel connector. The supplied wall adapter meets the needed requirements.

Serial Communications

The remote control is connected to the Audicy console via an RS-232 6-conductor modular cable and an RJ-12 connector. The cable is connected to the Auxiliary Port on the serial console via a 9-pin subminiature D adapter (supplied).

Remote Inputs

The 8 inputs on the Remote Control Module are opto-isolated inputs responding to relay or switch contact closure, open collector or TTL/CMOS active low levels. Inputs are held high to 5 volts by internal 22kΩ pull-ups to internal Vcc (5 volts). Inputs are activated on transition from high to low and should be held for a minimum of 10 milliseconds. All inputs share common ground. On-board green LEDs indicate input status.

Input Connections

Pin	Function
IN1	**PLAY**
COM	common
IN2	**STOP**
IN3	**RECORD**
COM	common
IN4	**FAST FORWARD**
IN5	**REWIND**
COM	common
IN6	**LOCATE $\rightarrow$**
IN7	**$\leftarrow$ LOCATE**
COM	common
IN8	**SET LOCATE**

Remote Outputs

The remote output controls consist of 8 single-pole, normally open mechanical relay contacts. Each is rated at 30 volts AC/DC @500mA current, with a response time within 10 milliseconds. On-board red LEDs indicate output relay status.

Output Connections

Pin	Function
K1 0 K1 +	**PLAY**
K2 0 K2 +	**STOP**
K3 0 K3 +	**RECORD**
K4 0 K4 +	**HEAD**
K5 0 K5 +	**LAST RECORD**
K6 0 K6 +	**MUTE**
K7 0 K7 +	**A/B**
K8 0 K8 +	(not assigned)

Installing Remote Control Software

The Remote Control requires Audicy System Software Version 2.00A7 or later. If your system is already running this version or later, there is no need to install any software.

Should you need to install new Audicy System Software, follow the directions accompanying the diskettes.

If you are upgrading from Audicy Software Version 1.50, you will first need to install Basic Utilities and QEMM.

Note: If the install appears to hang with no disk or floppy lights, press the "F" key. If that make it continue, you have a bad floppy and a corrupt install.

Installing Remote Control Hardware

1. Attach Audicy Remote Control Module to the Audicy Console.

    A) Attach the cable to the 9-pin connector on the rear of the Console, marked "AUX."

    B) Attach the cable to the RJ-12 connector on the rear of the Remote Control Module, marked "RS232 Audicy Console."

2. Attach Power to Remote Control Module.

    A) Attach Remote Power Supply to the power connector on the rear of the Remote Control Module, marked "PWR."

    B) Attach Power Supply to AC power source.

        The Audicy Remote Control Module has its own power supply, so current is not passed down the data cable.

2. Connect logic inputs and outputs.

    A) Observe polarity, voltage and current limits and requirements

    B) Make connections by stripping ends of external connections, inserting the ends into the screw terminal, and firmly tightening the screws.

Specifications

Serial: High integrity data format, baud rate 9600, 8-N-1. RS-232C via 6-pin modular connector and 9-pin D-sub adapter

Processor: 8-bit Microprocessor.

Logic Output: Sealed relays with LED indicators on the module receive unit, form-1A contacts rated 30 volts AC or DC @ 500mA/contact. Both sides of relay contacts isolated from ground and other inputs/outputs.

Logic Input: Opto-isolated inputs. Compatible with CMOS/TTL active low inputs, open collector or contact/switch closures.

Connectors: WAGA clamp style wire captive terminals. Modular, RJ-12, RS-232 with 9-pin D-sub adapter. Cables and adapters supplied.

Power: 9-12V AC, 200mA. Wall Transformer. Supplied.

Dimensions: 7″W x 1″H x 4.15″D.

Weight: 2.0 lb.

Mounting: Flanges with #6 mounting holes.