

SHURE®

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Wireless Systems
SLX

SLX4L LOGIC WIRELESS RECEIVER



FONCTIONNALITÉ LOGIQUE

FUNCIONES LÓGICAS

LOGISCHE FUNKTIONALITÄT

FUNZIONE LOGICA

ロジック機能

ЛОГИЧЕСКОЙ СХЕМЫ

논리적 기능성

FUNCIONALIDADE LÓGICA

逻辑功能





SLX4L Back Panel

SLX4L Receiver Overview

A logic circuit and associated terminal block connector is provided on the SLX4L receiver, in order to function optimally with software echo cancellers and provide remote monitoring of transmitter battery life. Supported models are the MX690, MX890 transmitters.

Three logic pins on a terminal block connector are provided for Transmitter Mute Status, Transmitter Battery Status and Logic Ground.

Operation

Two modes are provided: Normal and Logic:

Normal

In Normal mode, when the MX690, MX890, or any SLX transmitter mute button is pressed, audio is muted at the transmitter and receiver output.

Logic

In Logic mode, when the MX690, MX890 mute button is pressed the transmitter still sends audio to the receiver, and the receiver still sends an audio signal through the audio outputs. The transmitter Mute Status pin sends a TTL Logic High (+5V) signal, telling the external device that the transmitter is in mute status.

Selecting Modes

The SLX4L ships in Normal mode. To switch between modes with the unit powered on, press and hold the Select button then press the Power button. In Logic mode, the front panel LCD flashes **logic**. In Normal mode, the front panel will flash **nor**. An LED near the terminal block connector illuminates when Logic mode is active.

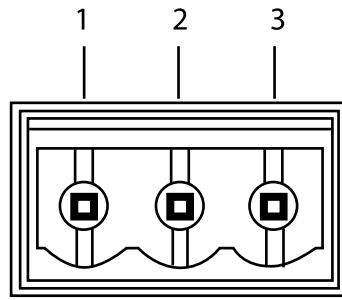
When an IR sync to the transmitter is performed, the receiver will set the transmitter to either Logic or Normal, whichever the current state of the receiver is. Both transmitters and receivers will always remember the last mode status.

Compatible Models

Transmitters compatible with Logic mode are the MX690, MX890.

LOGIC CONNECTION SPECIFICATIONS

The logic capability of the SLX4L receiver provides two functions: Transmitter Mute Status indication (which can be used to signal and control other events) and Transmitter Battery status indication. The various logic functions and their applications are presented in the following pin diagram and descriptions:



Pin 1: Transmitter Mute Status. In Logic mode, Pin 1 can be connected to a remote device and when transmitter status is Active, logic level is Low (0V). When status is Muted, logic level is High (+5V). Typical applications include providing remote indication of transmitter status and activating external equipment (equalizer, signal processor, loudspeakers, etc.) when used with a Room Control System (Crestron or AMX for example). Transmitter Mute control mutes/unmutes an input channel on an automatic mixer. For connections, connect the transmitter status pin to the podium mic mute input terminal on an automatic mixer. Connect the receiver logic ground to the mixer logic ground.

NOTE: Whenever the receiver is in Normal mode, Pin 1 indicates transmitter on/off status. When the transmitter is powered ON, logic output level is Low (0V.) When the transmitter is powered OFF, the logic level is High (+5V)

Pin 2: Logic Ground. For connections, make all logic ground connections to this pin, including the power supply ground of external logic circuitry. To avoid switching noise, do not connect logic ground to audio, chassis, or rack grounds.

Pin 3: Transmitter Battery Status. Good Battery status sends a logic level of Low (0V). Low Battery status (1 hour or less of battery life remaining) sends a logic level of High (+5V). Pin 3 can be used to control a remote LED when battery is low. It can also be used to indicate low transmitter battery status on a remote control panel when used with a Room Control System (Crestron or AMX for example).



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