ClearOne.

TECH NOTES

CLEARONE DOCUMENT 801-000-001 Rev 1.0 August, 2008.

SHURE MX395 INSTALLATION AND CONFIGURATION

Description

Using a microphone with visual feedback is a good way to be aware of your audio status in a conferencing environment. The Shure MX-395 is a single button microphone with a bi-color (red or green) LED displaying mute status. This tech note will guide you through the steps of wiring and programming a Shure MX-395 microphone to a Converge Pro unit. We will be using an 880T as an example.

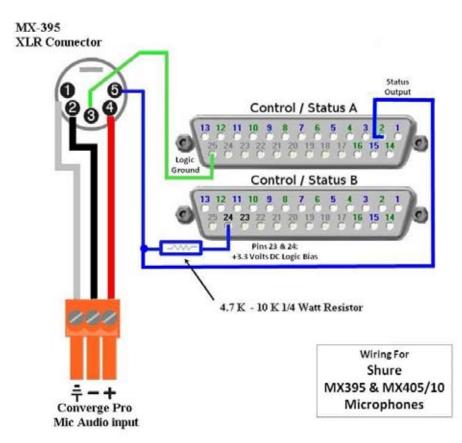


Figure 1

Installation

- 1. Wire the microphone balanced audio connection as normal. On the microphone input terminal block, wire black to negative, red to positive and shield to ground.
- 2. Wire the Shure MX-395 according to the diagram (See Fig. 1) using both control status ports a and b on the Converge Pro unit.
 - » The even numbered pins are for status, connect pin 5 of each mic (up to 8 per box) to one of the first 8 even numbered pins (2-16)
 - » Pin 23 and 24 on the Control / Status B port provide 3.3 VDC @ 400 Ma each.
 - » Connect pin 5 of the XLR to either pin 23 or 24 with a 4.7 K 10 K ¼ watt resistor across pin 2 and pin 23 or 24 (see Fig 1) also (If using 8 mics we recommend splitting the mics evenly between pins 23 & 24)

Programming

- 1. To change the mic LED to red you must program the GPIO status port as follows: The Acitve Low State must me programmed to see the mute on command for the respective mic input. For example for mic input # 1 the command would show: Mute 1 M 1
- 2. To chage the LED back to green Program the GPIO status port as follows: The Inactive High state would have to see the mute off command: Mute 1 M 0

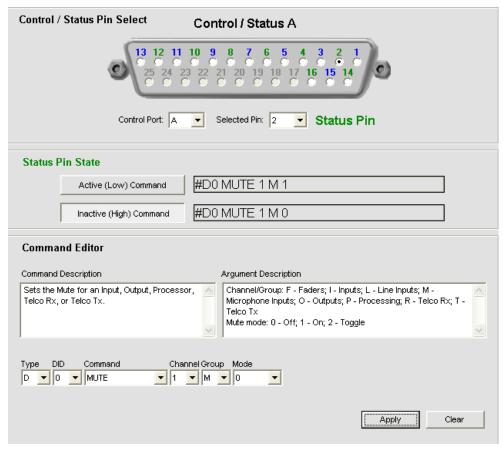


Figure 2

^{*} We would like to thank Shure for providing information and resources allowing us to create this document.