COMPASS CONTROL®

PROFESSIONAL

TOA M2 Series Router & Mixer

Module Manual

Key digital®

About:

The TOA 9000M2 Series Digital Matrix Mixer/Amplifiers redefine the conventional mixer/amplifier category by combining a modular matrix mixer, digital signal processor (DSP) and amplifiers in a compact, two rack space package. The versatile new series is ideal for multi-zone paging, music distribution and room-combining applications. The 9000M2 Series models include dual and single channel amplifiers with high or low impedance outputs plus a matrix mixer-only version.

The M-9000M2 has partnered with Key Digital as a Compass Alliance Partner for use with their control system.
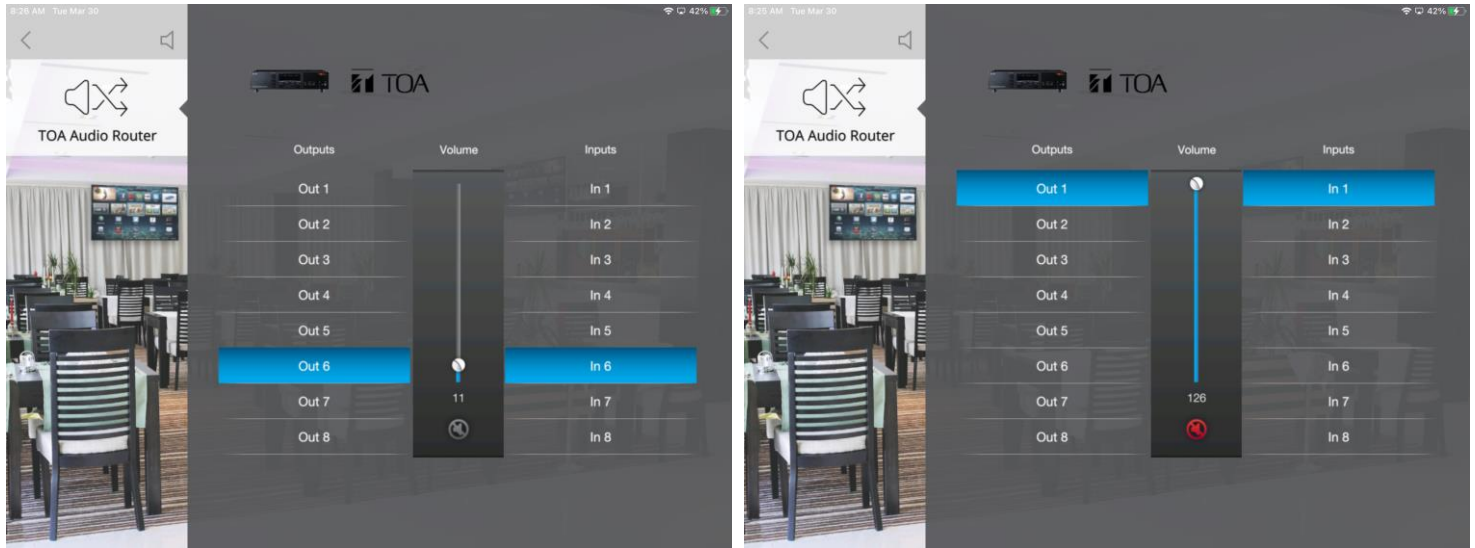
Setup Communication:

Using the M2 Series programming software, ensure each potential cross point's minimum cross point gain level is -70. Other values are accepted, but do not set to -infinity as doing so will result in the M2 unit ignoring RS-232 controls because it assumes the cross point is un-used.
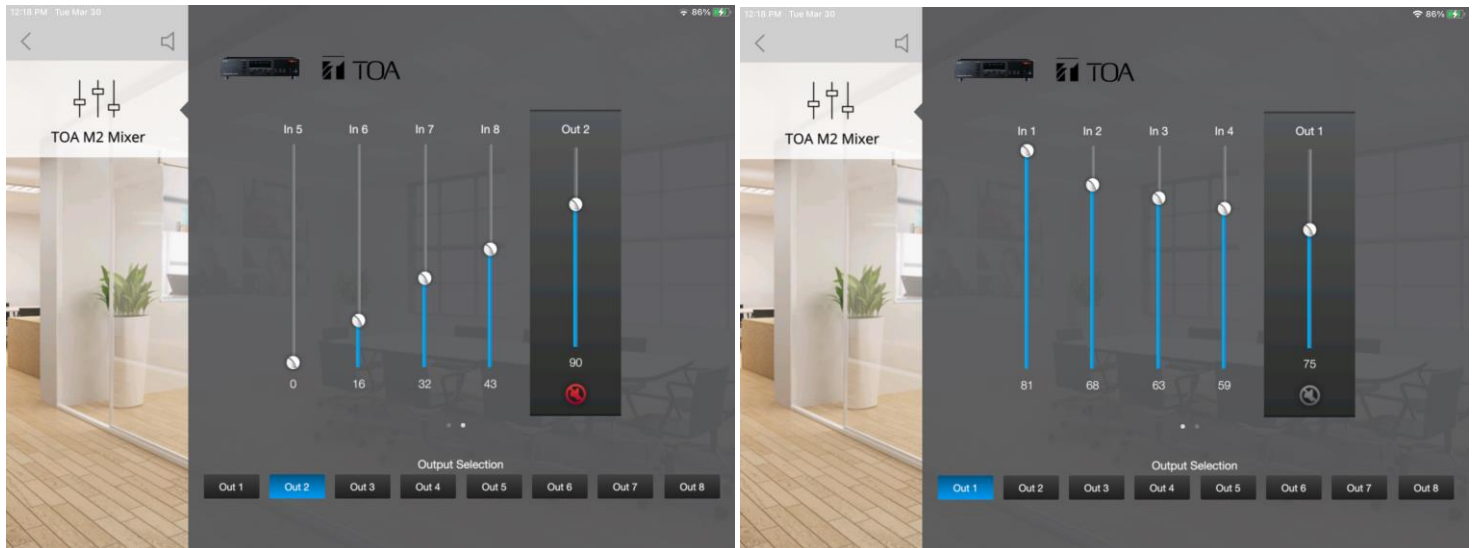
Adding Module(s) to Project:
There are two M2 Series Compass Control modules. Add the correct module to your project depending on desired functionality.

- **Router Module**: Provides router / matrix functionality by sending a -infinity command to all 8 sources, followed by a 0db command to the selected source for the output channel. You may also control the output channel volume and muting.

- **Mixer Module:** Provides individual faders for each audio source so that an independent mix may be created for the selected output channel. You may also control the output channel volume and muting.

Editing Input and Output Names

1. In you Compass Navigator project, choose Program → Edit Module, and enter the Module's Variables folder.

2. Choose the **Programmer_Router/Mixer_OutputNames** variable.

3. In the Properties window, press the "…" ellipses.

4. Enter the desired Output Names in the Variable Initial Value Table and press OK.

5. Repeat for the **Programmer_Router/Mixer_InputNames.**

6. When done, choose File → Exit to return to your project.