

## KEYPAD FEATURES

Sold Separately

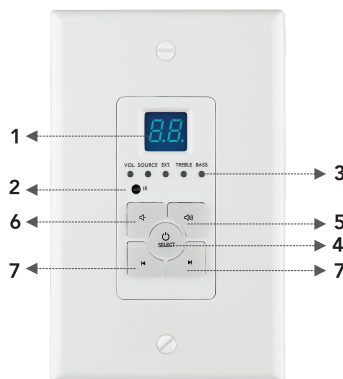
(NERO MAX12 Keypad/IR Remote Kit)

Free OSD Control App duplicates Keypads

1. Numeric LED Display
2. IR Receiver Target
3. Selection & Status LED's
4. Power/Status: Press & Hold to Turn Zone ON/OFF.
5. Increase Volume, Treble or Bass
6. Decrease Volume, Treble or Bass
7. Source Select

When ON, Press to toggle through settings.

5. Increase Volume, Treble or Bass
6. Decrease Volume, Treble or Bass
7. Source Select



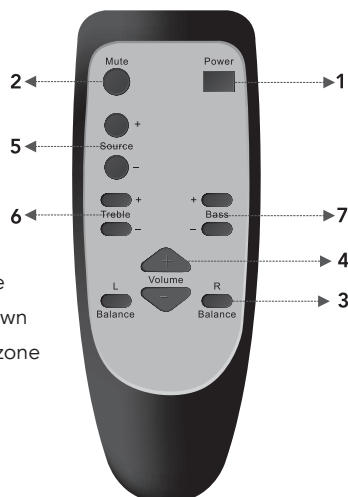
## M12IRR INFRARED REMOTE-CONTROL

The M12IRR infrared remote control provides complete zone control through the IR receiver located on the NERO Max 12 keypad. All keypad functions can be accessed using the M12IRR. In addition to the keypad functions, the M12IRR has a MUTE button to temporarily mute audio in the zone. Once the MUTE function is activated the keypad's LED display will flash, indicating the mute status. Press the MUTE button to continue playing music or press the keypad volume up or down buttons to un-mute the zone. One M12IRR is included with the Optional Max 12 Keypads.

## REMOTE FEATURES

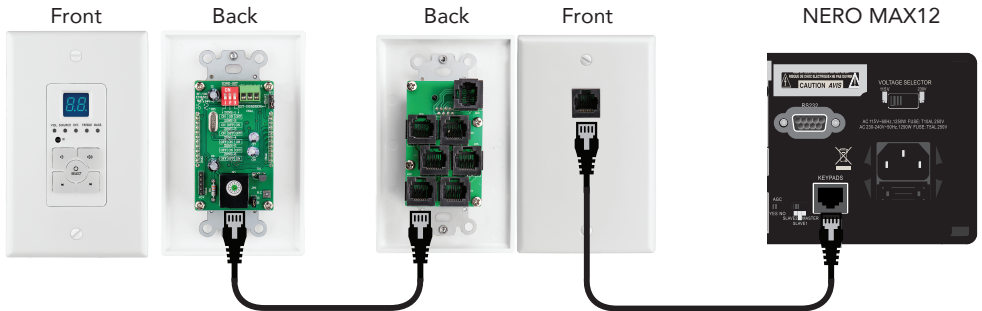
IR Remote Control works with Keypads only. It is included with Optional Keypad Kit

1. Power: switches power (On/Off) for the respective zone
2. Mute: allows you to mute a respective zone
3. Bal: Left & Right Balance in stereo mode
4. VOL: Volume adjustment up/down
5. Source: Used to select signal input for the respective zone
6. Treble: Enhance or reduces the high frequency up and down
7. Bass: Adjust Bass enhance and reduce for the respective zone

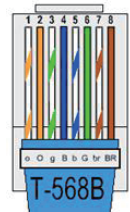


## CONNECTING THE OPTIONAL KEYPADS

The Keypad kit comes with 6 POE enabled keypads. This allows for source control from each specific zone as well as IR routing to the appropriate source devices once selected. The Keypad kit also comes with a hub that allows for all 6-keypads to be connected to the amp via Cat5e/6.



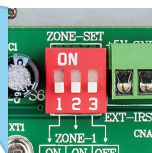
Without power being connected, connect a Cat5e/6 cable to the RJ45 port labeled KEYPADS on the back of the NERO MAX12. We recommend terminating the Cat5e/6 using the 568B standard.



At this point it is also important to address your keypads. Refer to the chart below which is also found on the PCB board of the back of the keypad to set the dip switches according to the zone you would like it to control.



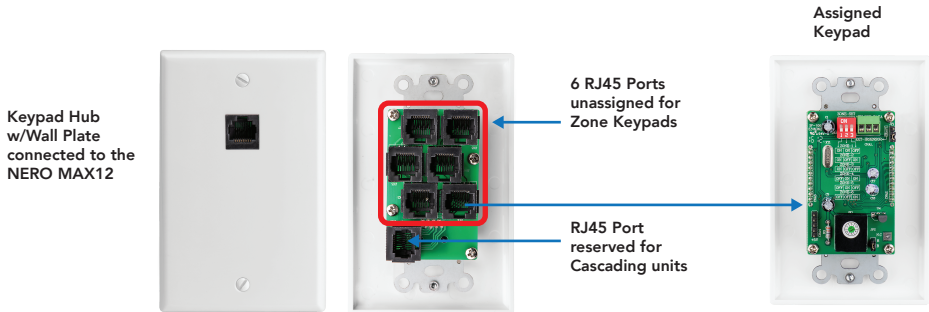
Dip Switches



ZONE-1	ZONE-2	ZONE-3
ON ON OFF	ON OFF ON	ON OFF OFF
1 2 3	1 2 3	1 2 3
ZONE-4	ZONE-5	ZONE-6
OFF ON ON	OFF ON OFF	OFF OFF ON
1 2 3	1 2 3	1 2 3



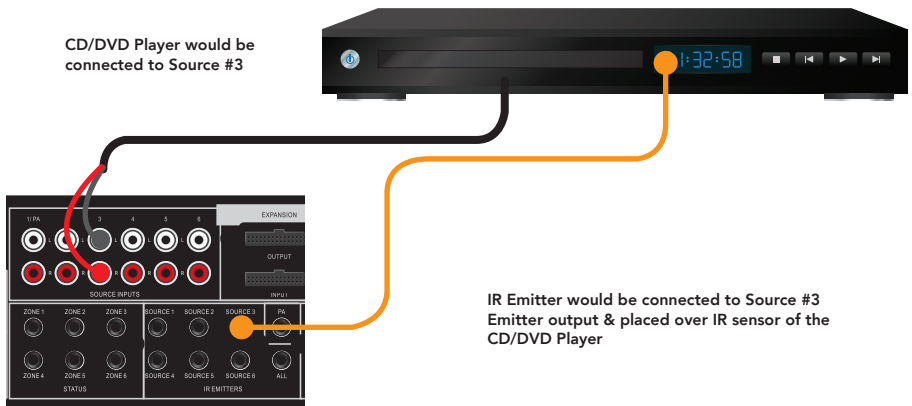
Connect the other end of the Cat5e/6 to the lone RJ45 port found on the front side of the Keypad Hub. The front is what fits into the provided Decora plate. Note that the Cat5e/6 between the unit and the hub should only be between 7-10ft. The RJ45 ports on the back of the Keypad Hub are not assigned but the single RJ45 port isolated on the bottom of the hub is reserved for cascading units.



Connect the other end of the terminated Cat5e/6 to the RJ45 port on the back of the assigned keypad and installation is complete. Complete zone and the source control as well as the IR and power are provided through the single Cat5e/6

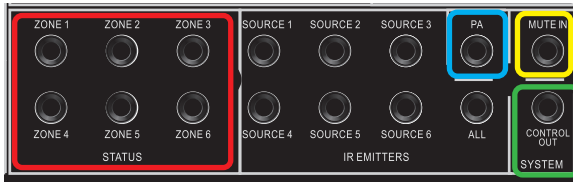
## IR EMITTERS

When utilizing the optional Keypad system, The NERO Max12 has an IR repeater system built in and each source has a corresponding Infrared (IR) emitter output. The IR emitter output is tied the corresponding source device, or all (global/IR Blaster versus IR emitter) source control. Program a universal remote to operate all six of the input devices. Point the universal remote at the NERO MAX12 keypad to transmit the IR control codes through the NERO MAX12 Receiver to the source device. With an IR emitter connected to an IR Emitter output jack and the emitter placed over the source device IR receiver window, the source can be controlled from any zone.



# CONNECTING AND USING THE ZONE STATUS PORTS

There are six 12Vdc trigger outputs which correspond to the six output zones. When a zone is powered ON by the NERO MAX 12Keypad, the corresponding zone sends 12Vdc to the trigger output jack. The triggers can be used to automatically switch peripheral equipment ON or OFF. Wiring: 3.5mm Mono



## NERO MAX 12 Trigger Outputs:

- ZONES 1 - 6: Zone ON; 12Vdc applied to the TRIGGER OUTPUT, Zone OFF; 12Vdc removed from the TRIGGER
- CONTROL: Any zone ON; 12 Vdc applied to the CONTROL OUT, All zones OFF; 12Vdc removed from the CONTROL OUT

## NERO MAX 12 Trigger Inputs:

- PA-IN: Apply 12Vdc for input #1 override on all six zones
- MUTE-IN: Apply 12Vdc to mute all zones

# OPTIONAL KEYPAD KIT CONTENTS

- Six (6) MAX12 Keypads
- One (1) MAX12 Keypad Hub
- Six (6) Outer Plates for Decora keypad inserts
- IR Remote Control (direct access to keypads)
- Product Manual

# WARRANTY

All OSD AUDIO electronics have (2) year Limited Warranty against defects in materials and workmanship. Proof of purchase must accompany all claims. During the warranty period OSD AUDIO will replace any defective part and correct any defect in workmanship without charge for either parts or labor. OSD AUDIO may replace returned electronics with a product of equal value and performance. In such cases, some modifications to the mounting may be necessary and are not OSD AUDIO's responsibility. For this warranty to apply, the unit must be installed and used according to its written instructions. If necessary, repairs must be performed by OSD AUDIO. The unit must be returned to OSD AUDIO at the owner's expense and with prior written permission. Accidental damage and shipping damage are not considered defects, nor is damage resulting from abuse or from servicing performed by an agency or person not specifically authorized in writing by OSD AUDIO. OSD AUDIO sells products only through authorized dealers and distributors to ensure that customers obtain proper support and service. Any OSD AUDIO product purchased from an unauthorized dealer or other source, including retailers, mail order dealers and online sellers will not be honored or serviced under existing OSD AUDIO warranty policy. Any sale of product by an unauthorized source or other manner not authorized by OSD AUDIO shall void the warranty on the applicable product. Damage to or destruction of components due to application of excessive power voids the warranty on those parts. In these cases, repairs will be made on the basis of the retail value of the parts and labor. To return for repairs, you must email customer service at [RMA@audiogeargroup.com](mailto:RMA@audiogeargroup.com) for a Returned Merchandise Authorization (RMA) number then the unit must be shipped to OSD AUDIO at the owner's expense, along with a note explaining the nature of service required. Be sure to pack the product(s) in a corrugated container with at least 3 inches of resilient material to protect the unit from damage in transit.

This Warranty Does Not Cover: Damage caused by abuse, accident, misuse, negligence, or improper operation (installation) • Any products that have been altered or modified • Any product whose identifying number of decal, serial #, etc. has been altered, defaced or removed • Normal wear and maintenance.