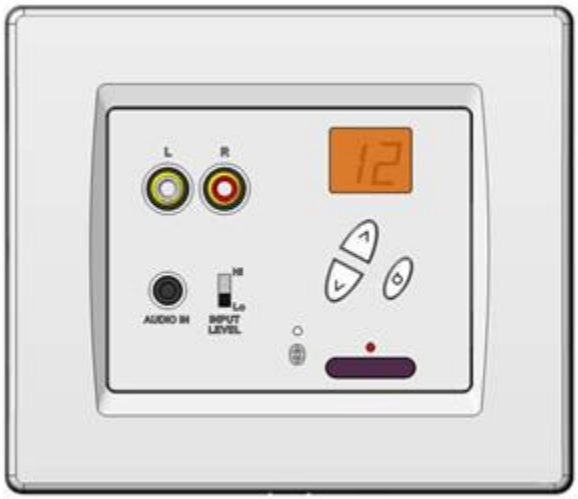
MONOPRICE

Self Amplified Digital Keypad with Bluetooth and Analog Inputs



PID 10222

INTRODUCTION

This Self-Amplified Digital Keypad features a 6 watts/channel amplifier, a Bluetooth audio receiver, and three analog audio inputs. It provides an easy to connect central location for playing back audio material from a variety of portable sources. IR repeater functionality allows a remote source device to be controlled using its standard IR remote control.

PACKAGE CONTENTS

After receiving the product, please inventory the contents to ensure you have all the proper parts, as listed below. If anything is missing or damaged, please contact Monoprice Customer Service for a replacement.

1x Self Amplified Digital Keypad
1x Front plate
1x User's manual

FEATURES

- Includes two analog audio inputs on the front panel
- Includes one internal, hard wired analog audio input
- Features a Bluetooth receiver with A2DP support
- Includes IR repeater capability (IR transmitter bulb not included)

SPECIFICATIONS

Amplifier Power: 6 watts/channel RMS into 8 ohms, 12 watts/channel RMS into 4 ohms
Stereo Audio Inputs: hard wired, 3.5mm TRS, 2x RCA, and Bluetooth
Frequency Response: 35Hz ~ 20KHz
Input Sensitivity: 200mV (Lo) / 1.0V (Hi)
Volume Control Range: -75dB
Bass Control Range: +/- 12dB
Treble Control Range: +/- 12dB
Balance Control Range: +/- 30dB
IR Frequency: 38KHz
Input Power: 24VDC
Bluetooth Version: 2.1+EDR with A2DP profile
Bluetooth Reception Range: up to 30 feet
Supported Speaker Wire: 14-22 AWG
Dimensions: 5.5" x 4.7" x 1.8"
Weight: 8.8 oz

SAFETY WARNINGS

1. This device is intended for indoor use only. Do not expose this device to water or moisture of any kind.

2. Ensure that the wire connections are clean, with no stray wire strands anywhere.

3. Double check all connections before applying power.

4. Do not provide a speaker load lower than 4 ohms to the amplifier. Doing so can cause damage to the amplifier and could result in a fire.

5. Do not install or operate in close proximity to a heat source, such as a furnace, radiator, or fireplace.

CONNECTION NOTES

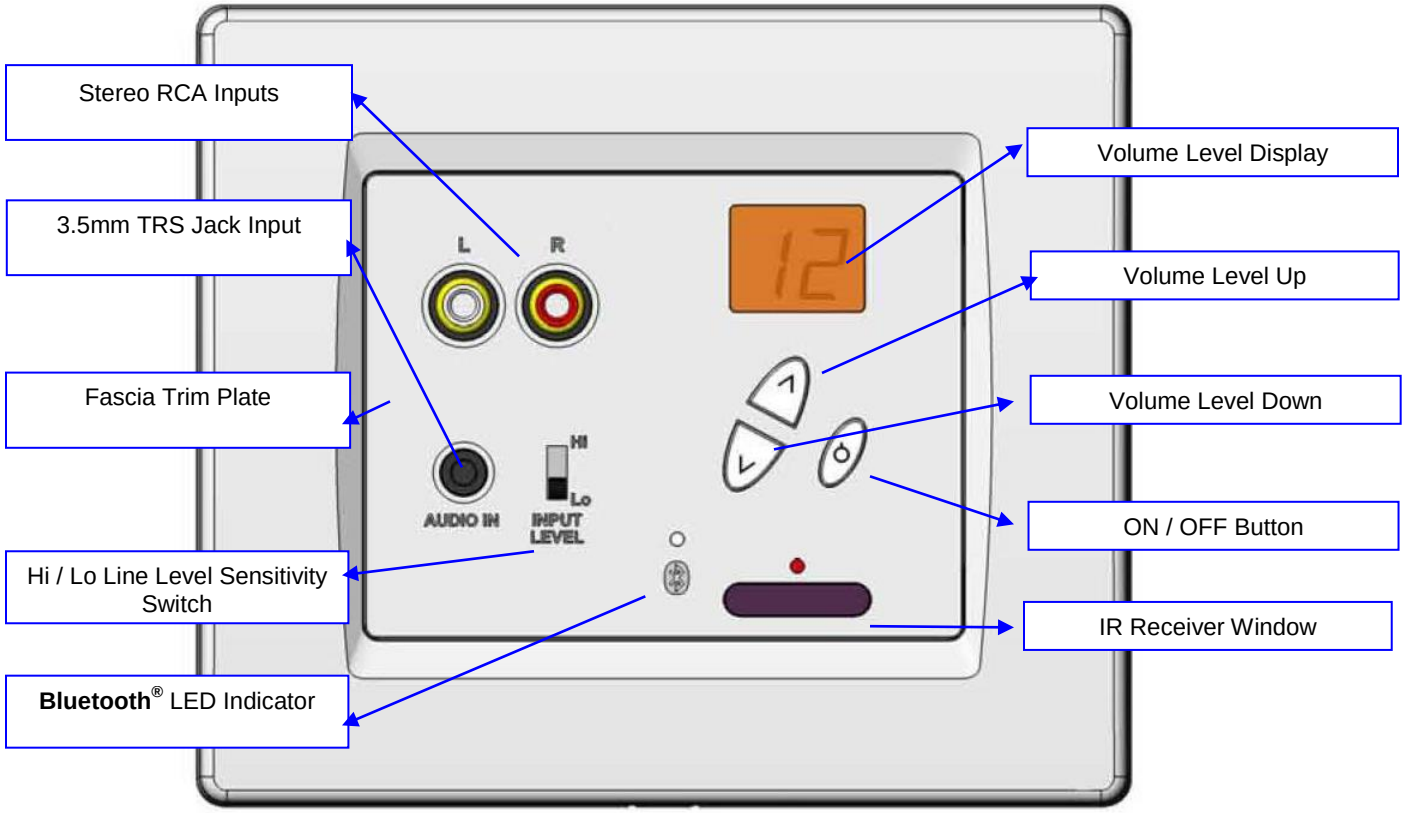
The Bluetooth Audio receiver and the 2x RCA stereo analog jacks are in parallel. If an audio source is applied to both inputs they will be mixed with higher volume levels.

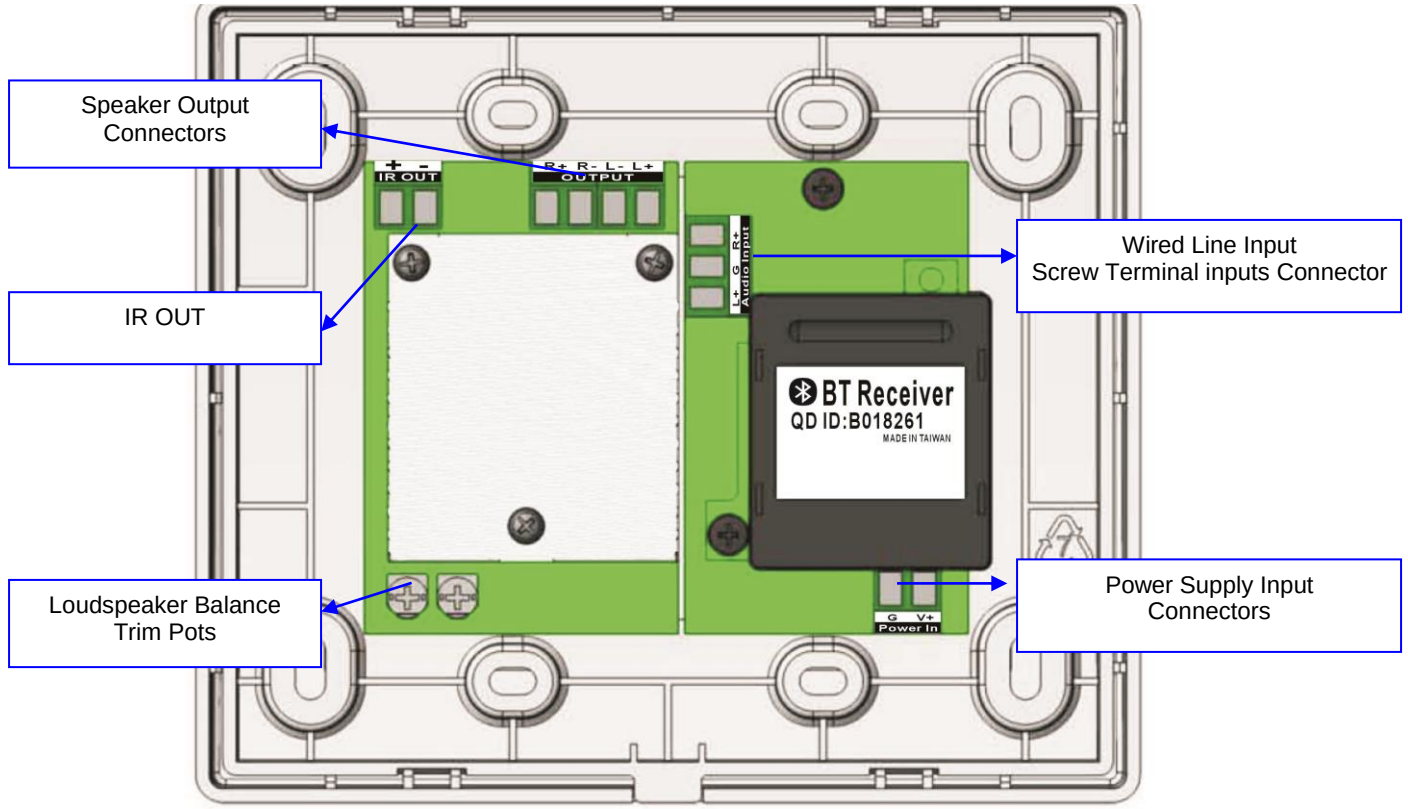
The 3.5mm TRS jack and the internal hard wired terminals are also in parallel. If an audio source is applied to both inputs they will be mixed with higher volume levels.

The 3.5mm jack/hardwired terminals have priority over the Bluetooth/RCA inputs. If an audio source is present on both the 3.5mm/hardwired input and the Bluetooth/RCA input, only the source(s) from the 3.5mm/hardwired input will be heard.

Note that combining audio sources in this way is not recommended and could cause damage to your equipment. The only proper way to mix audio signals is using an audio mixer. Therefore we highly recommend against applying an audio signal to both the 3.5mm and hardwired inputs. Similarly, we recommend to not use both the Bluetooth receiver and RCA jacks at the same time.

CONTROLS AND CONNECTIONS



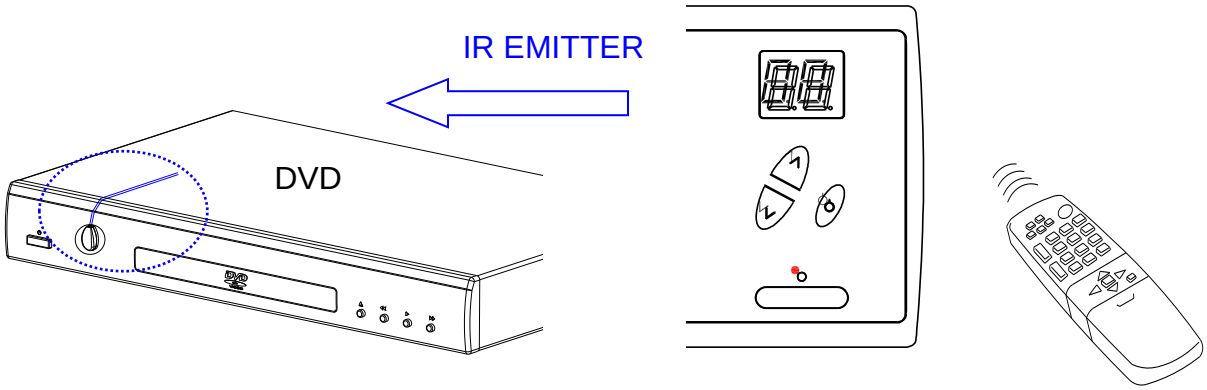


INSTALLATION

1. Connect a pair of speaker wires from the installed speakers to the **OUTPUT** terminal block on the device. Pay close attention to left/right orientation and ensure that the +/- polarity is properly maintained.

2. Obtain a 24 VDC power source (not included). Connect the positive output of the power source to the **V+** terminal and the negative output to the **G** terminal. Once power is applied the unit will be in standby.

3. (Optional) If you intend to use the IR repeater functionality, connect the positive wire from an IR Transmitter/Emitter to the **IR OUT +** terminal and the negative wire to the **IR OUT -** terminal. Position the IR bulb so that it can "see" the IR receiver on your source device(s).

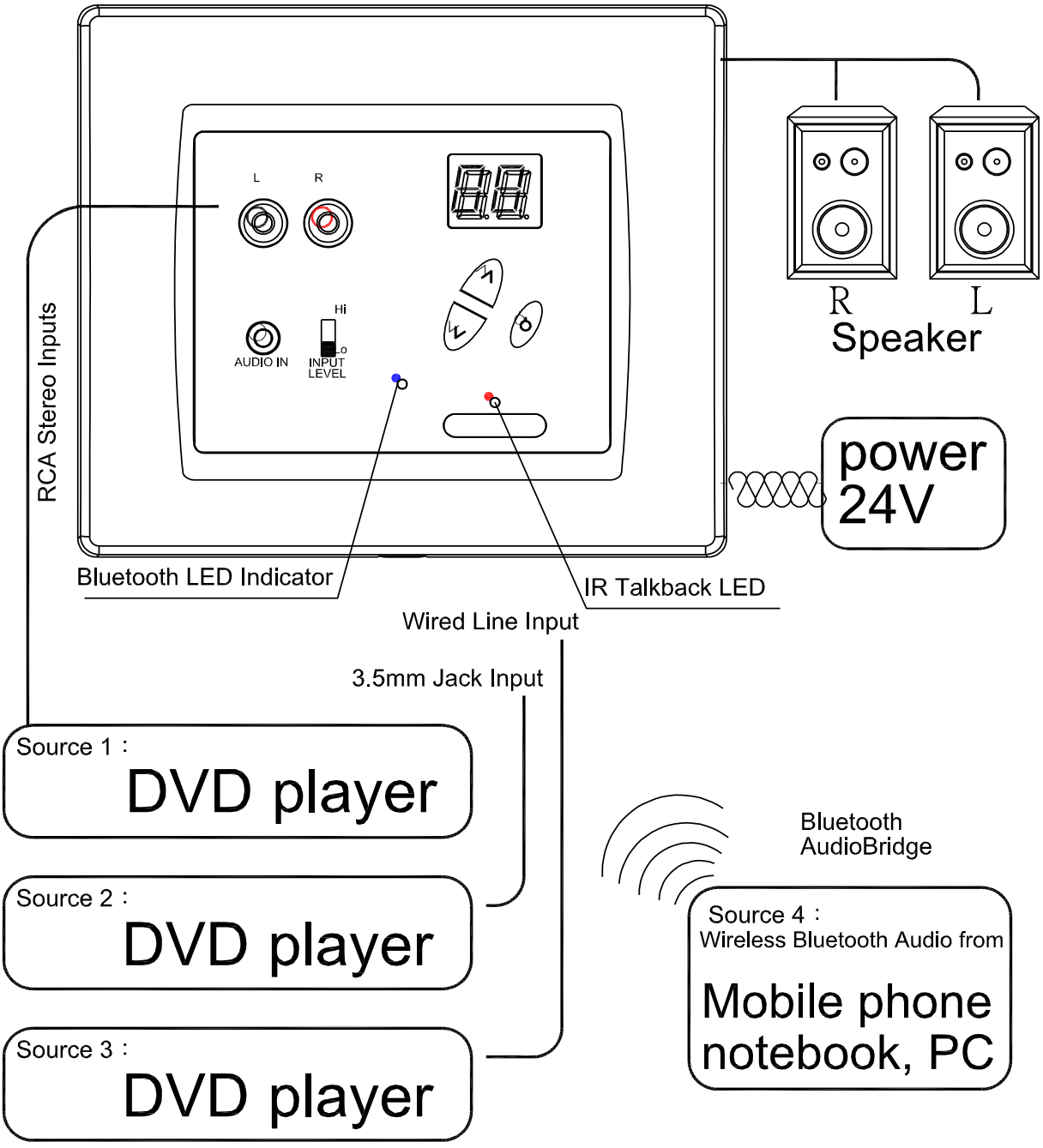


4. (Optional) If you want to make a hardwired internal connection, connect the audio source right channel positive to the **R+** terminal. Connect the audio source left channel positive to the **L+** terminal. Finally, connect the audio source negative wires to the **G** terminal between the L+ and R+ terminals.

5. Test the unit to ensure that all inputs and outputs are operating properly. Check the balance of the speaker volume. If it is not in proper balance, you can adjust the balance using the Balance Trim Pots on the back of the amplifier.

6. Mount the plate as desired. After it is secured in place, install the front cover to hide the installation screws.

CONNECTION DIAGRAM



OPERATION

1. Press the power button on the device to turn it on. The orange backlight behind the digital display will be illuminated when power is on.

2. (Optional) Establish a Bluetooth connection between your mobile device and the amplifier unit by performing the following steps:

   2a. Ensure that your Bluetooth capable device is within 3 feet of the amplifier/Bluetooth Receiver.

   2b. Initiate the pairing procedure on your Bluetooth capable device. You should see an **Audio Adapter XXXX**, where XXXX is the 4-digit number on the audio adapter. If you do not see the audio adapter device entry, turn off the digital keypad, wait 30 seconds, then power it back on. Wait another 5 seconds and you should see the **Audio Adapter XXXX** entry in the list of available Bluetooth devices.

   2c. When asked to input the passkey or PIN code, enter **6728**. This passkey should only be needed the first time you connect to the keypad. The keypad remember up to 8 Bluetooth pairings and will automatically reconnect to a previously paired device.

3. If the audio source is not already hardwired to the keypad or is not connected via Bluetooth, connect it to the keypad using the 3.5mm or 2x RCA connections.

4. With the volume turned all the way down on the audio source device, press the volume up button on the keypad until the numeric display reads at least 20. The volume on the keypad has 31 steps, so 20 represents about 2/3ds of maximum volume.

5. Next, increase the volume on your audio source device until it is at your desired listening level. From this point, the keypad can be used to increase or decrease volume without needing to adjust the volume on the source device.

INPUT LEVEL SWITCH

The Hi-Lo Input Level Switch is used to adjust the input sensitivity of the amplifier.

The **LO** setting is designed for a 200mV input signal. If the audio source is from the headphone output of a mobile device, use the LO setting.

The **HI** setting is designed for a 1.0V input signal. If the audio source is from a standard audio component (e.g., DVD player via RCA), use the HI setting.