



Monoprice™
Commercial Audio 40-Watt Wall-Mount Music Amplifier

P/N **36375**
User Manual

SAFETY WARNINGS AND GUIDELINES

Please read this entire manual before using this device, paying extra attention to these safety warnings and guidelines. Please keep this manual in a safe place for future reference.

- This device is intended for indoor use only.
- Do not expose this device to water or moisture of any kind.
- Do not touch the device, the power cord, or any other connected cables with wet hands.
- Do not expose this device to excessively high temperatures. Do not place it in, on, or near heat sources, such as a fireplace, stove, radiator, etc. Do not leave it in direct sunlight.
- Do not place or install this device in an area where it can be exposed to excessive amounts of dust, humidity, oil, smoke, or combustible vapors.
- Prior to operation, check the unit for physical damage. Do not use if physical damage has occurred.
- Ensure that power is turned off and disconnected before making any electrical connections.
- Remove the battery from the controller if it will go unused for a lengthy period of time.
- Clean using a soft, dry cloth only. Do not use chemical cleaners, solvents, or detergents. For stubborn deposits, moisten the cloth with warm water.
- This device has no user-serviceable parts. Do not attempt to open, service, or modify this device.
- Cables run through the wall must be rated for in-wall use.

REMOTE CONTROL WARNING

Remote Control (P/N): MHJ-003

 WARNING	
• INGESTION HAZARD: This product contains a button cell or coin battery • DEATH or serious injury can occur if ingested. • A swallowed button cell or coin battery can cause Internal Chemical Burns in as little as 2 hours. • KEEP new and used batteries OUT OF REACH of CHILDREN • Seek immediate medical attention if a battery is suspected to be swallowed or inserted inside any part of the body.	

- Remove and immediately recycle or dispose of used batteries according to local regulations and keep away from children. DO NOT dispose of batteries in household trash or incinerate.
- Even used batteries may cause severe injury or death. Call a local poison control center for treatment information.
- Identification of compatible battery type: CR2032, nominal battery voltage: 3V
- Non-rechargeable batteries are not to be recharged.

- Do not force discharge, recharge, disassemble, heat above manufacturer's specified temperature rating, or incinerate. Doing so may result in injury due to venting, leakage, or explosion resulting in chemical burns.
- Ensure the batteries are installed correctly according to polarity (+ and -).
- Do not mix old and new batteries, different brands or types of batteries, such as alkaline, carbon-zinc, or rechargeable batteries.
- Remove and immediately recycle or dispose of batteries from equipment not used for an extended period of time according to local regulations.
- Always completely secure the battery compartment. If the battery compartment does not close securely, stop using the product, remove the batteries, and keep them away from children.

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FEATURES

- 40-watt class D differential amplifier (10 watts/channel RMS, 20 watts/channel peak)
- 3.5" TFT LCD touchscreen interface
- Includes IR remote control
- Bluetooth® radio for streaming audio from a paired device
- Built-in audio player compatible with wav, mp3, and flac files on a USB flash drive or microSD™ card
- Supports up to 16GB USB drives
- Supports up to 16GB microSD™ cards
- Built-in FM radio with automatic and manual tuning and the ability to store 20 station presets
- One AUX input with adjustable input sensitivity
- RS-485 control option

PACKAGE CONTENTS

Please take an inventory of the package contents to ensure you have all the items listed below. If anything is missing or damaged, please contact Monoprice™ Customer Service for a replacement.

- 1x Wall Mount Music Amplifier
- 1x Mounting Trim Panel
- 6x Machine Screws
- 1x IR Remote Control with Installed CR2032 Battery
- 1x User Manual

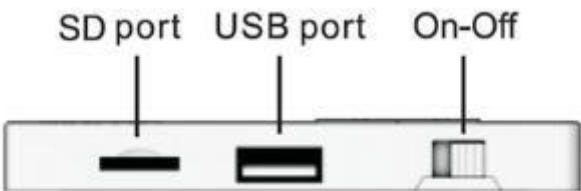
Note: Requires 2-Gang "Old Work" electrical box which is not included, but is available from any local hardware store.

PRODUCT OVERVIEW

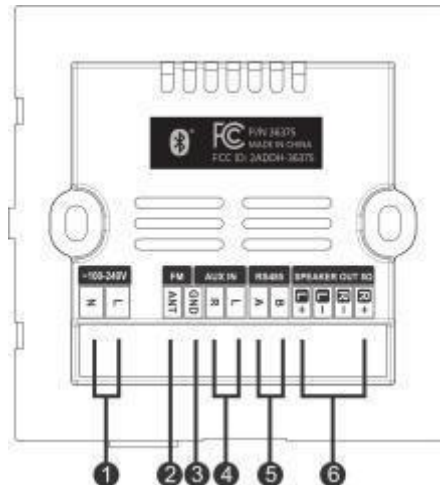
Front Panel



Bottom Panel



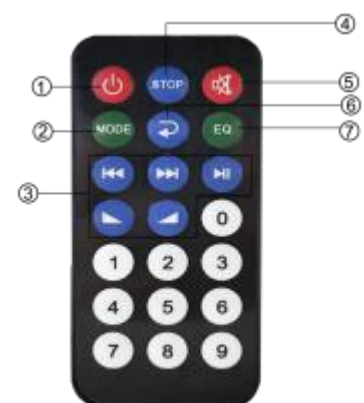
Rear Panel



1. **Power:** Power connector for connecting an AC power cord (not included).
2. **FM:** Connector for attaching an FM antenna (not included).
3. **GND:** Connector for attaching the signal ground/common.
4. **AUX IN:** Connectors for attaching the left and right channel inputs from a line level source.
5. **RS485:** Connectors for attaching an RS-485 control cable.
6. **SPEAKER OUT 8Ω:** Connectors for attaching the left and right channel speakers.

Remote Control

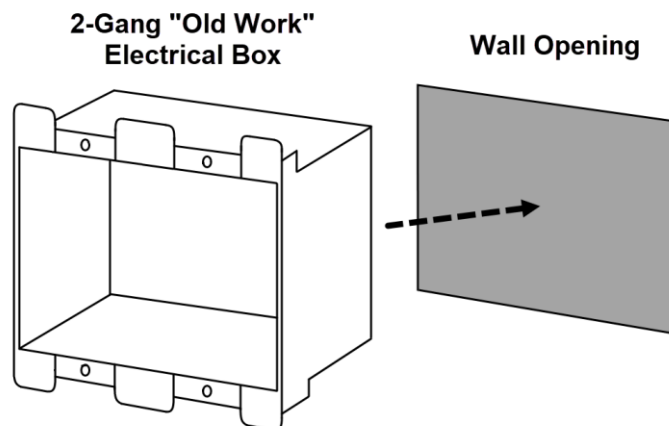
1. **Standby:** Press the button to turn the system on or to put it into standby mode.
2. **Mode:** Press the button to cycle through the **FM**, **USB**, **microSD™**, **Bluetooth®**, and **AUX** inputs.
3. **Control Pad:** The control pad consists of five buttons, including **Previous Track**, **Next Track**, **Play/Pause**, **Volume Down**, and **Volume Up**.
4. **STOP:** Not used.
5. **Mute:** Press the button to turn audio muting on or off.
6. **Play Mode:** Press the button to toggle between the **Play All**, **Repeat All**, **Shuffle**, **Play 1**, and **Repeat 1** play modes. This is only available for the USB and SD™ input modes.
7. **EQ:** No function.



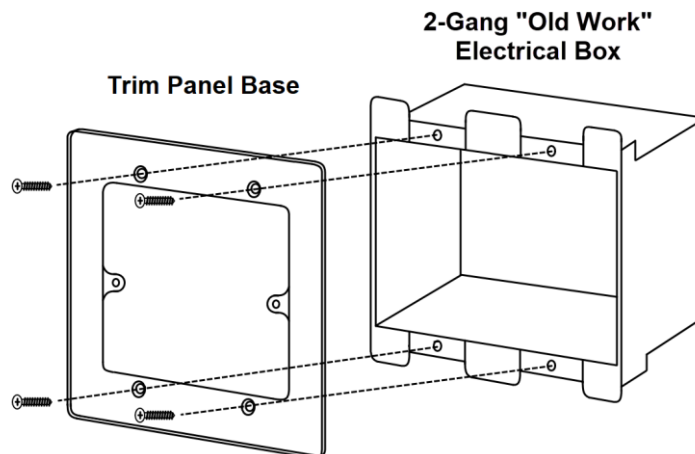
INSTALLATION

Important! Installation of structural materials and electric wiring should always be performed by a qualified contractor or engineer. All cables should be rated for in-wall use.

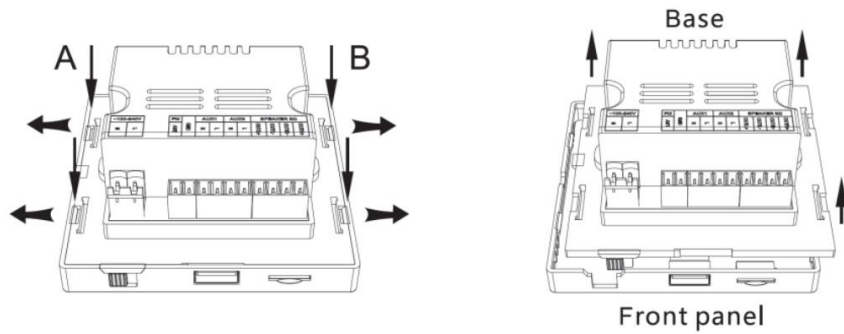
1. Select the location where you want to install the amplifier on the drywall. Ensure that there are no obstructions behind the wall.
2. Use a pencil and the old work electrical box as a template to trace the shape of the cutout on the wall.
3. Use a drywall saw to cut along the marked lines. Ensure the hole is large enough to accommodate the old work electrical box but not too big, as it needs to clamp securely to the drywall.
4. Ensure that the power cord and audio cabling is installed and run through the drywall and into the cutout.
5. Feed these cables through the designated openings or pass-throughs on the old work electrical box. Be sure to keep the power cord as far as possible from the audio cables.
6. Insert the old work electrical box into the drywall opening. Make sure it is securely fastened.



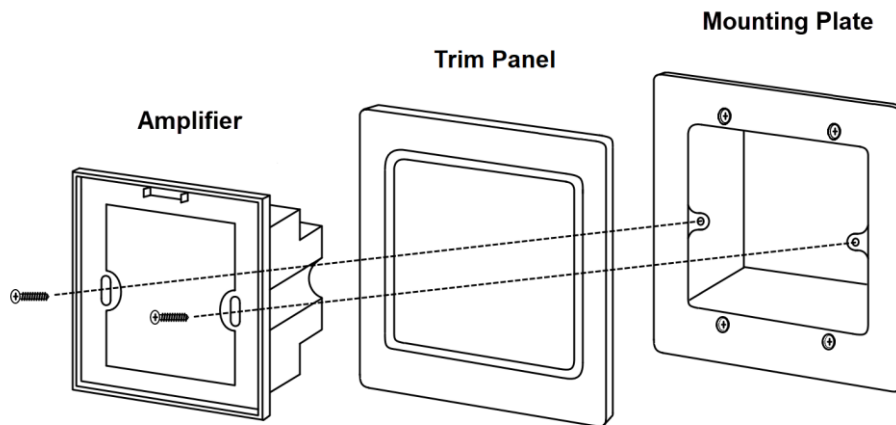
7. Use 4 included screws to attach the trim panel base to the electrical box.



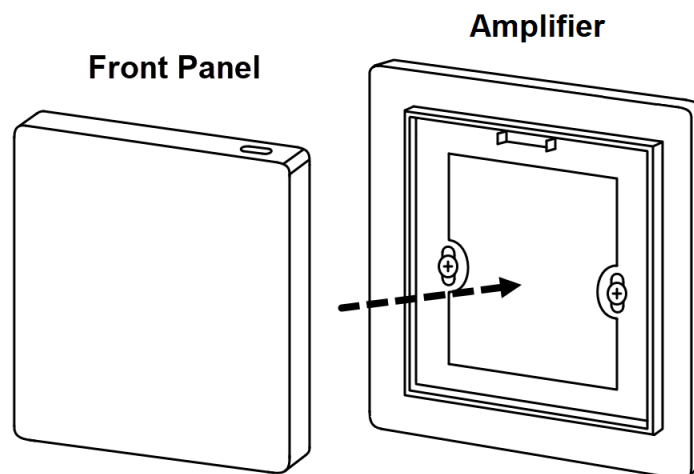
8. Select two buckles in either the A or B direction, as indicated in the image below. Pull the outer edge of it so that the snap is disengaged. Carefully disconnect the front panel from the amplifier base.



9. Make all audio and control connections to the amplifier base connectors. Be sure to match polarity for all connections to ensure proper function and quality of sound.
10. Place the trim panel over the mounting plate, then connect the amplifier base to the mounting plate using 2 included screws.

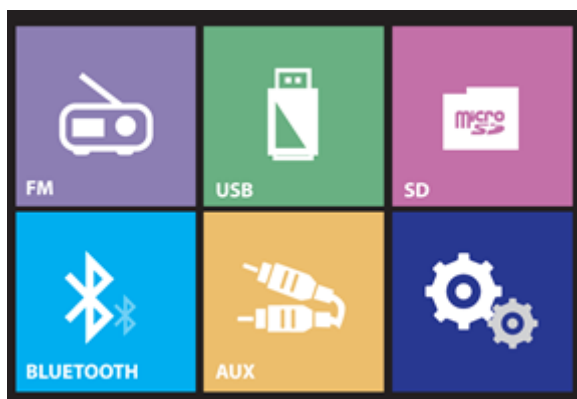


11. Finally, attach the front panel to the amplifier base, completing the installation.

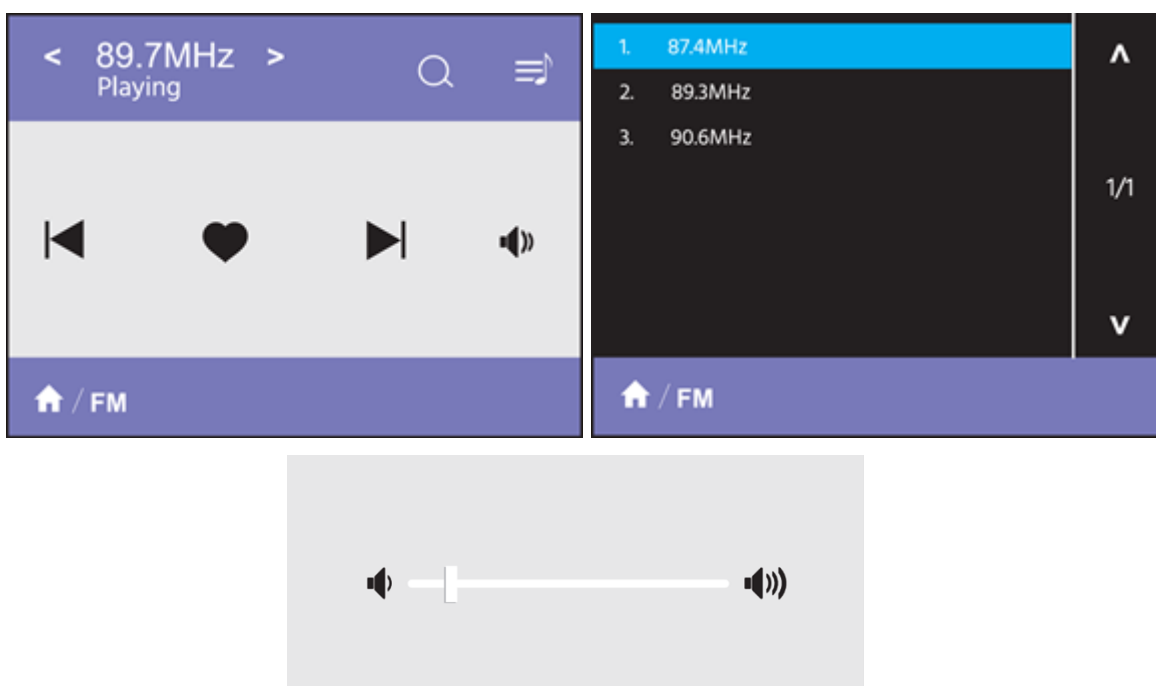


OPERATION

Main Menu



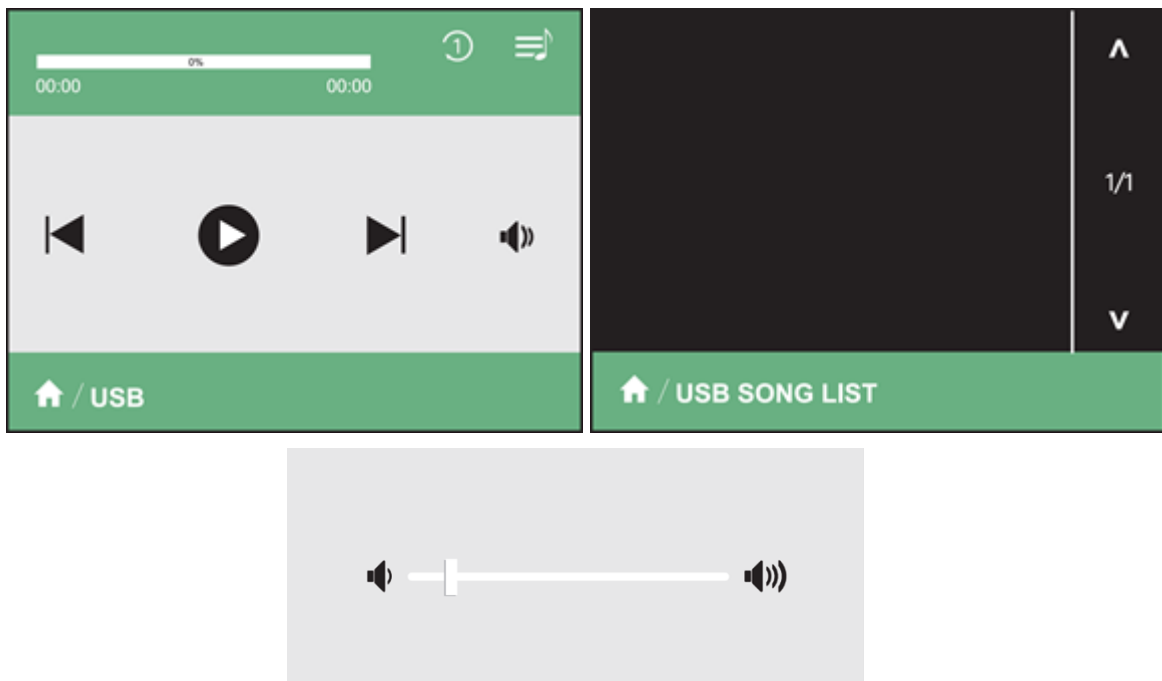
FM Radio Mode



- Touch the **FM** icon on the **Main Menu** to enter the **FM** screen.
- Repeatedly touch the **<** and **>** icons flanking the frequency reading to manually tune an FM frequency in 0.1MHz increments.
- Touch the **Q** icon to start the automatic channel search. When a station with a strong enough signal is found, the scan will pause and save the frequency to the saved presets.
- Touch the **≡** icon in the top right corner to enter the **FM LIST** screen, which displays a list of the saved presets.

- The number on the right side of the **FM LIST** screen is the page indicator. The number to the left of the slash is the current page and the number to the right of the slash is the total number of pages of saved presets.
- Touch the $\wedge$ and $\vee$ icons on the **FM LIST** screen to change the current page. If there is only a single page of saved presets, the icons will have no function.
- Touch one of the frequencies on the **FM LIST** screen to change to that station. The screen will change back to the **FM** screen.
- Touch the $\blacktriangleleft$ and $\blacktriangleright$ icons to cycle through the saved presets.
- Touch the $\heartsuit$ icon to manually save the current frequency to the saved presets.
- Touch the speaker icon to change the center section of the screen to show the volume slider control. Drag the control to change the volume. After about 5 seconds of inactivity, the center section will change back to the station controls.
- Touch the house icon in the lower left corner to exit the **FM** screen.

USB Mode



- Plug a USB flash drive into the USB port on the bottom panel.
- Touch the **USB** icon on the **Main Menu** to enter the **USB** screen.
- The icon to the right of the track progress bar indicates the play mode. Touch the icon to cycle through the available play modes. The play modes are represented by the following icons:

$\text{three horizontal lines icon}$ Sequential playback of all files

 Repeat sequential playback of all files

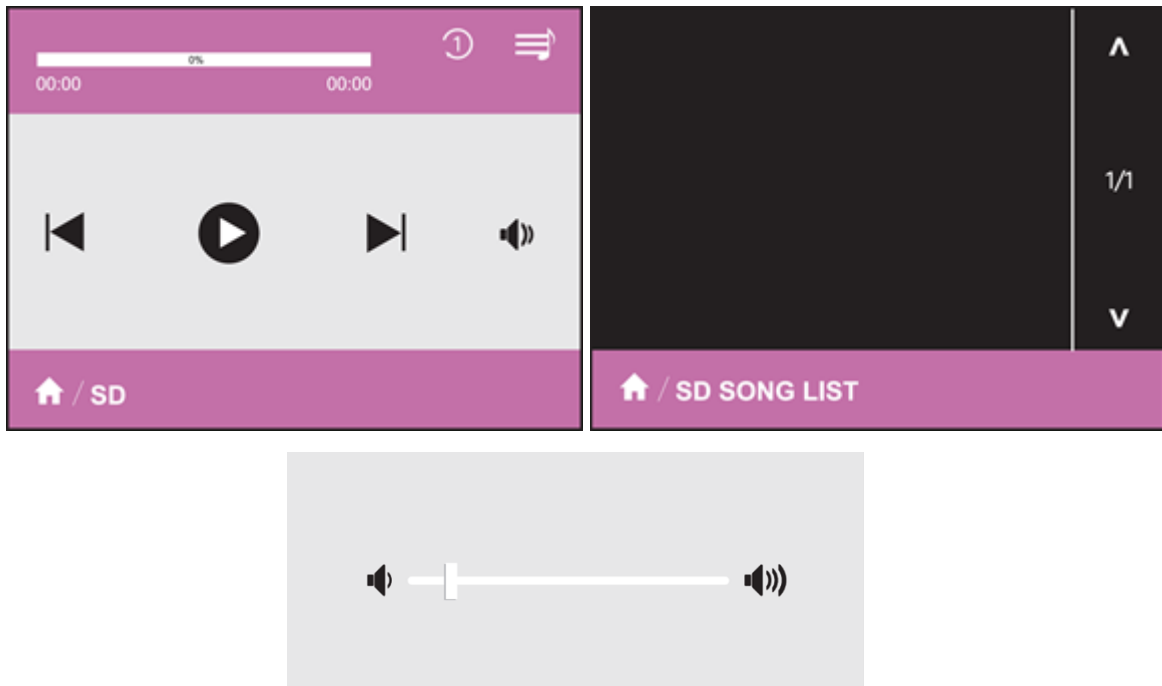
 Shuffle playback of all files

 Playback the current file, then stop playback

 Repeat playback of the current file

- Touch the  icon in the top right corner to enter the **USB SONG LIST** screen, which displays a list of all playable tracks on the USB flash drive.
- The number on the right side of the **USB SONG LIST** screen is the page indicator. The number to the left of the slash is the current page and the number to the right of the slash is the total number of pages of tracks on the USB flash drive.
- Touch the  and  icons on the **USB SONG LIST** screen to change the current page. If there is only a single page of tracks, the icons will have no function.
- Touch one of the tracks on the **USB SONG LIST** screen to start playback of that track. The screen will change back to the **USB** screen.
- Touch the  icon to start or resume playback and the  icon to pause playback.
- Touch the  icon to skip back to the previous track or touch the  icon to skip forward to the next track.
- Touch the  icon to change the center section of the screen to show the volume slider control. Drag the control to change the volume. After about 5 seconds of inactivity, the center section will change back to the playback controls.
- Touch the  icon in the lower left corner to exit the **USB** screen.

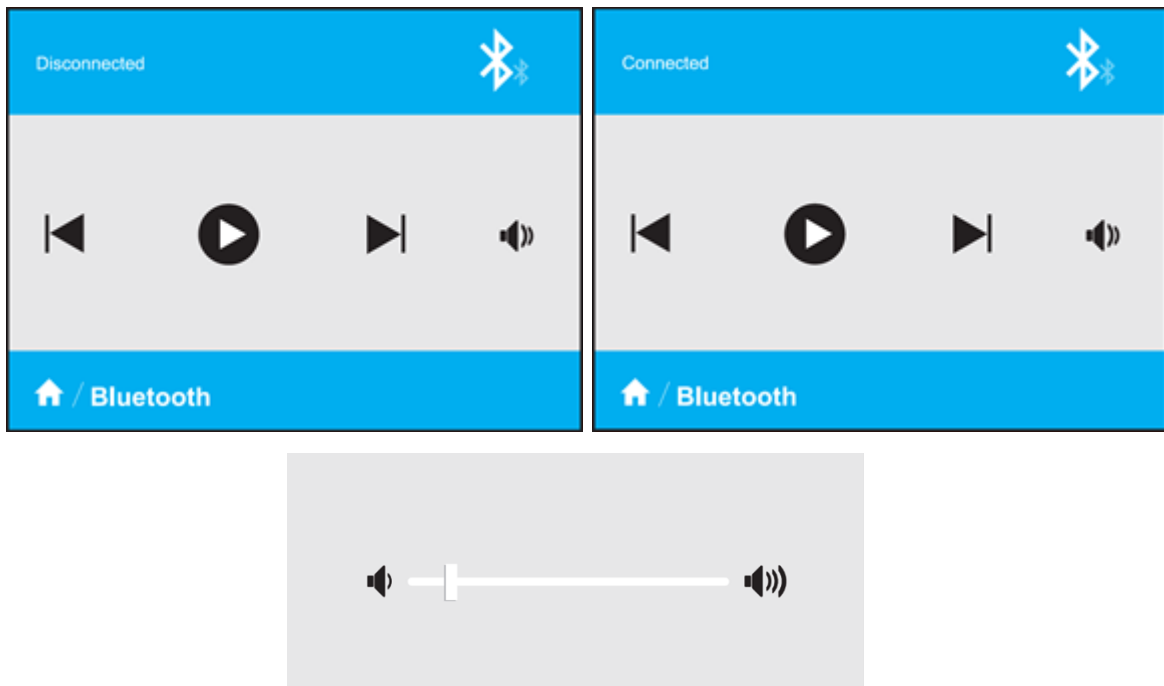
SD Mode



- Insert a microSD™ card into the SD™ card slot on the bottom panel.
- Touch the **microSD™** icon on the **Main Menu** to enter the **SD™** screen.
- The icon to the right of the track progress bar indicates the play mode. Touch the icon to cycle through the available play modes. The play modes are represented by the following icons:
 - ≡ Sequential playback of all files
 - 🔄 Repeat sequential playback of all files
 - ✂ Shuffle playback of all files
 - 1 → Playback the current file, then stop playback
 - 🕒 Repeat playback of the current file
- Touch the ≡ icon in the top right corner to enter the **SD™ SONG LIST** screen, which displays a list of all playable tracks on the USB flash drive.
- The number on the right side of the **SD™ SONG LIST** screen is the page indicator. The number to the left of the slash is the current page and the number to the right of the slash is the total number of pages of tracks on the **microSD™** card.
- Touch the ^ and v icons on the **SD™ SONG LIST** screen to change the current page. If there is only a single page of tracks, the icons will have no function.
- Touch one of the tracks on the **SD™ SONG LIST** screen to start playback of that track. The screen will change back to the **SD™** screen.

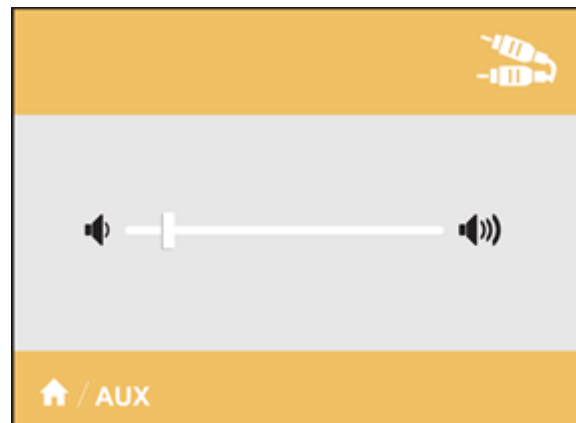
- Touch the  icon to start or resume playback and the  icon to pause playback.
- Touch the  icon to skip back to the previous track or touch the  icon to skip forward to the next track.
- Touch the  icon to change the center section of the screen to show the volume slider control. Drag the control to change the volume. After about 5 seconds of inactivity, the center section will change back to the playback controls.
- Touch the  icon in the lower left corner to exit the **SD™** screen.

Bluetooth Mode



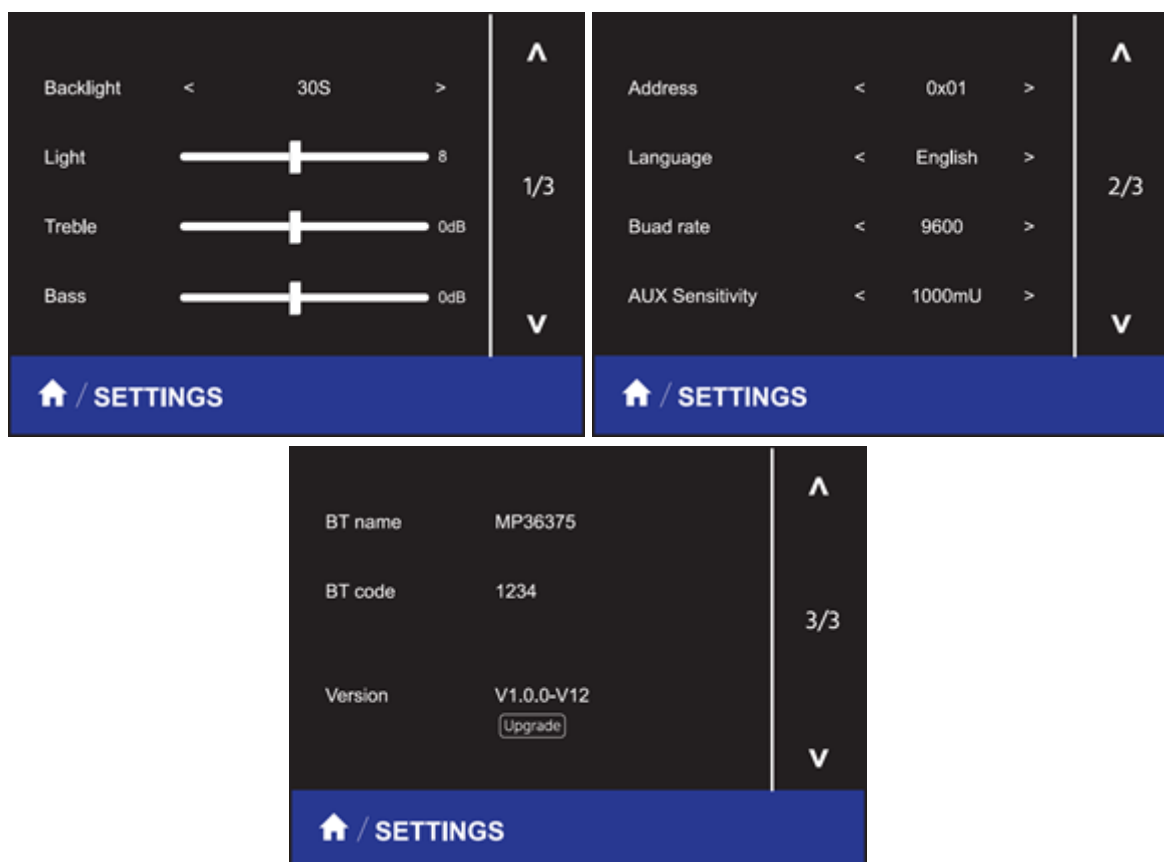
- Touch the **Bluetooth®** icon on the **Main Menu** to enter the **Bluetooth®** screen.
- If your device is not already paired with the amplifier, open its Bluetooth settings and scan for nearby devices. Locate and select the **MP36375** entry. If prompted for a passcode, enter **1234**. If the amplifier is not found, ensure that no other devices are paired.
- Touch the  icon to start or resume playback and the  icon to pause playback.
- Touch the  icon to skip back to the previous track or touch the  icon to skip forward to the next track.
- Touch the  icon to change the center section of the screen to show the volume slider control. Drag the control to change the volume. After about 5 seconds of inactivity, the center section will change back to the playback controls.
- Touch the  icon in the lower left corner to exit the **Bluetooth®** screen.

AUX Mode



- Touch the **AUX** icon on the **Main Menu** to enter the **AUX** screen.
- Drag the slider control in the middle of the screen to adjust the volume.
- Touch the  icon in the lower left corner to exit the **AUX** screen.

Settings Screen



- Touch the  icon on the **Main Menu** to enter the **Settings** screen.
- The number on the right side of the screen is the page indicator. The number to the left of the slash is the current page and the number to the right of the slash is the total number of pages.
- Touch the $\wedge$ and $\vee$ icons to change the current page.
- **Backlight:** Sets the amount of time of inactivity before the display turns off. Use the $<$ and $>$ icons to change the setting. You can select **10S**, **30S**, **60S**, or **Never**.
- **Light:** Drag the slider control to set the screen brightness.
- **Treble:** Drag the slider control to set the treble response from **-6dB** to **+6dB**.
- **Bass:** Drag the slider control to set the bass response from **-6dB** to **+6dB**.
- **Address:** Use the $<$ and $>$ icons to set the hex address for RS-485 control.
- **Language:** Use the $<$ and $>$ icons set the menu language to **English** or **Chinese**.
- **Baud Rate:** Use the $<$ and $>$ icons to set the transfer rate to **4800**, **9600**, **19200**, **38400**, **57600**, or **115200** baud.
- **AUX Sensitivity:** Use the $<$ and $>$ icons to set the **AUX** input gain to **500mV** or **1000mV**.
- **Bluetooth Name:** Displays the Bluetooth® pairing ID (**MP36375**).
- **Bluetooth Code:** Displays the Bluetooth® passcode (**1234**).
- **Version:** Displays the firmware version (**V1.0.0-V12**). Touch the **Upgrade** button under the version number to upgrade the firmware from a firmware file stored on the microSD™ card.
- Touch the  icon in the lower left corner to exit the **Settings** screen.

SPECIFICATIONS

Model	36375
Inputs	USB, microSD™ card, Bluetooth®, FM radio, line level AUX 1, RS-485 control
Bluetooth Version	4.1
Bluetooth Pairing Name	MP36375
Bluetooth Passcode	1234
Bluetooth Range	Up to 32 feet (10 meters)
Output Power (RMS)	10 watts/channel into 8 ohms
Output Power (peak)	20 watts/channel into 8 ohms
Nominal Impedance	8 ohms
Supported Audio File Formats	wav, mp3, flac
AUX Input Sensitivity (adjustable)	500mV/1000mV
Frequency Response	20 Hz ~ 20 kHz
Total Harmonic Distortion	≤ 0.03% (1 watt @ 1kHz into 8 ohms)
Signal-to-Noise Ratio	> 81dB
Control Interface	RS-485
IR Remote Control Effective Angle	±30°
IR Remote Control Effective Range	Up to 32 feet (10 meters)
IR Remote Control Battery Type	1x CR2032
Input Power	100 ~ 240 VAC, 50/60 Hz
Dimensions	3.4" x 3.4" x 1.5" (86 x 86 x 38 mm)

CUSTOMER SERVICE

The Monoprice™ Customer Service department is dedicated to ensuring that your ordering, purchasing, and delivery experience is second to none. If you have any problems with your order, please give us an opportunity to make it right. You can contact a Monoprice™ Customer Service representative through the Live Chat link on our website **www.monoprice.com** or via email at **support@monoprice.com**. Check the website for support times and links.

TECHNICAL SUPPORT

Monoprice™ is pleased to provide free, live, online technical support to assist you with any questions you may have about installation, setup, troubleshooting, or product recommendations. If you ever need assistance with your new product, please come online to talk to one of our friendly and knowledgeable Tech Support Associates. Technical support is available through the online chat button on our website **www.monoprice.com** or through email by sending a message to **tech@monoprice.com**. Check the website for support times and links.

To download the latest drivers, firmware, manuals, etc., go to **www.monoprice.com** and type **36375** into the search bar. If available, support files are linked at the bottom of the product page.

REGULATORY COMPLIANCE

Notice for FCC



This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Modifying the equipment without Monoprice's authorization may result in the equipment no longer complying with FCC requirements for Class B digital devices. In that event, your right to use the equipment may be limited by FCC regulations, and you may be required to correct any interference to radio or television communications at your own expense.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Radio Notice for FCC



Caution

This FCC Part 15 radio device operates on a non-interference basis with other devices operating at this frequency. Any changes or modification to said product not expressly approved by Monoprice, including the use of non-approved antennas, could void the user's authority to operate this device.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Notice for ISED Canada



This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

Radio Notice for ISED Canada



Caution

This IC RSS-210 radio device operates on a non-interference basis with other devices operating at this frequency. Any changes or modification to said product not expressly approved by Monoprice, including the use of non-approved antennas, could void the user's authority to operate this device.

This device complies with IC RSS-210. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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TECHNOLOGY AT PRICES THAT MAKE SENSE

www.monoprice.com

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Contact us: www.monoprice.com/contactus

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Monoprice, Inc.

1 Pointe Drive, Suite 400

Brea, CA 92821 – USA

www.monoprice.com