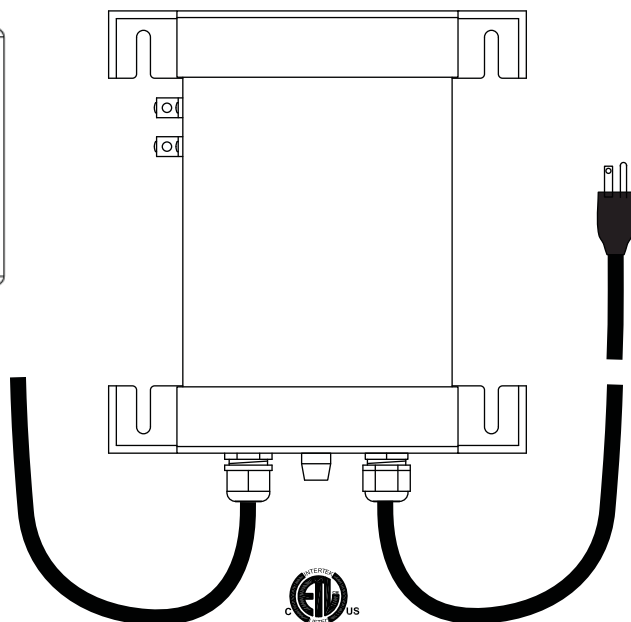
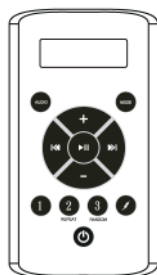
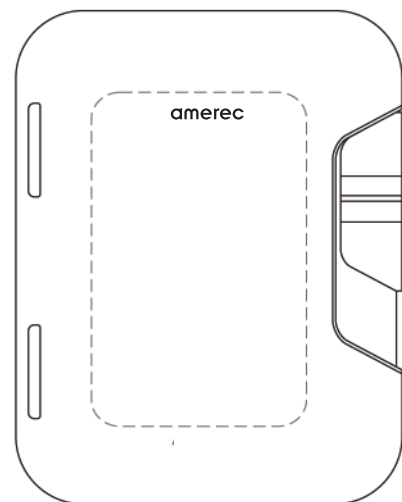


amerec IPOD DOCK, INSTALLATION AND OPERATING INSTRUCTIONS



WATER AND DUST PROOF IPOD DOCK AND DIGITAL MEDIA LOCKER™ with FLOATING 2-WAY WIRELESS REMOTE CONTROL

The iPod Dock is water proof, intended for installation inside or outside you steam bath. It is the heart of a sound system providing 2 front and 2 rear channels, a built in stereo FM radio, connection to audio devices such as an MP3 player and a connection for charging and listening to an iPod. A wireless remote controls system on/off, volume, tone, balance, and sound source. Three built in equalizer settings are provided and three FM radio station pre-sets are available.

Your sound system comes with:

- an iPod Dock
- a 2-way RF wireless Remote control with a CR2430 battery (installed)
- a 9 inch long audio cable (3.5mm plug to 3.5mm plug)
- an FM antenna
- Six (6) Stainless Steel mounting screws
- a 12VDC, 5A Power Supply
- Two in-wall water proof speakers
- This owners manual

You may also want extra speakers. A total of 8 speakers may be connected to the iPod dock, 2 per channel (*see dock Wire Harness Connections, page 4*).

amerec IPOD DOCK, INSTALLATION AND OPERATING INSTRUCTIONS

The low voltage dock and Remote are tested and approved per FCC Part 15 and Industry Canada requirements.

The power supply is ETL Listed for the US and Canada, with CE, and selectable for use with 110VAC or 220V~ single phase line voltage.

FCC ID:

MADE IN CHINA

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.

NOTE:

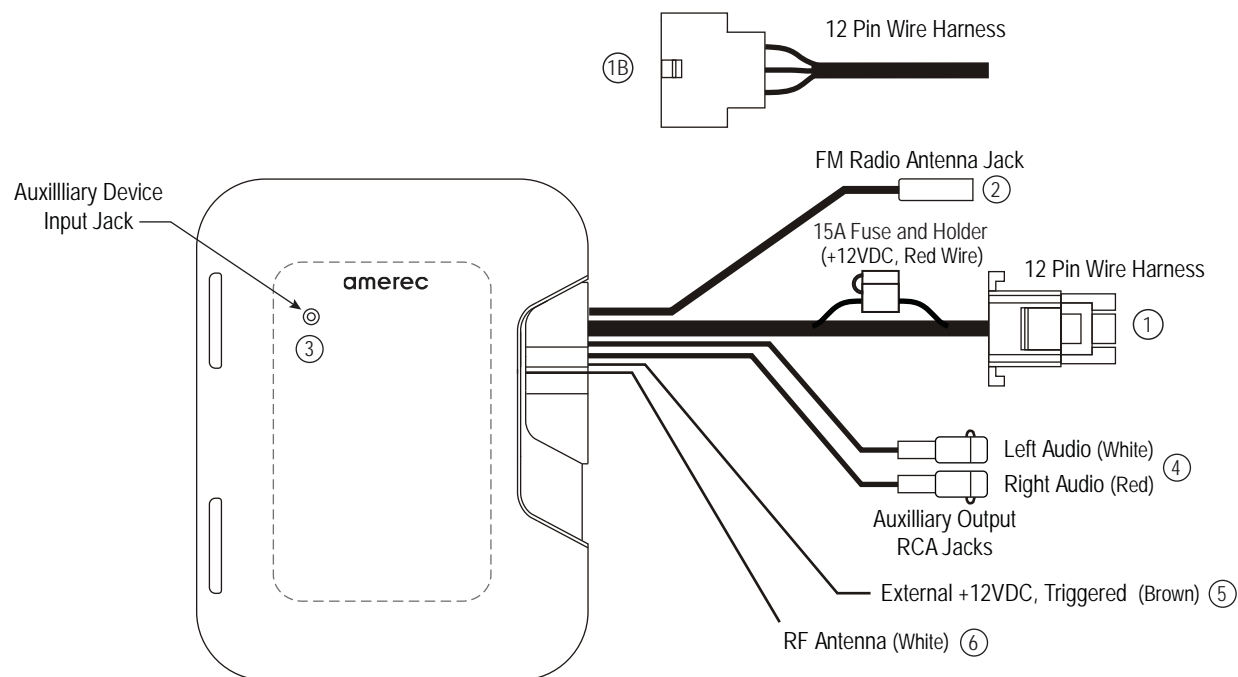
The equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio 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 and correct the interference by one or more of the following measures:

- Reorientate or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Consult the dealer or an experienced radio/TV technician for help.

The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user authority to operate the equipment.

amerec IPOD DOCK, INSTALLATION AND OPERATING INSTRUCTIONS



IPOD DOCK CONNECTIONS

1. 12-pin Watertight Harness

This harness (1) supplies power and ground connections to the iPod Dock and four (4) speaker channel output connections from the Dock. A mating harness is supplied (*see drawing, page 4*).

Make all connections to the mating harness. **Do Not Cut** or modify the wire harness attached to the Dock or warranty will be void.

2. FM Radio Antenna Jack

Connect an antenna to the female antenna receptacle. For best FM performance make sure the FM Antenna is extended to the highest achievable position.

3. Auxiliary Input

The Dock has a 3.5mm stereo jack socket for connecting other audio devices such as an MP3 player.

4. Auxiliary Outputs

Allows external amplifier to be connected to power additional speakers.

5. 12V DC External Trigger

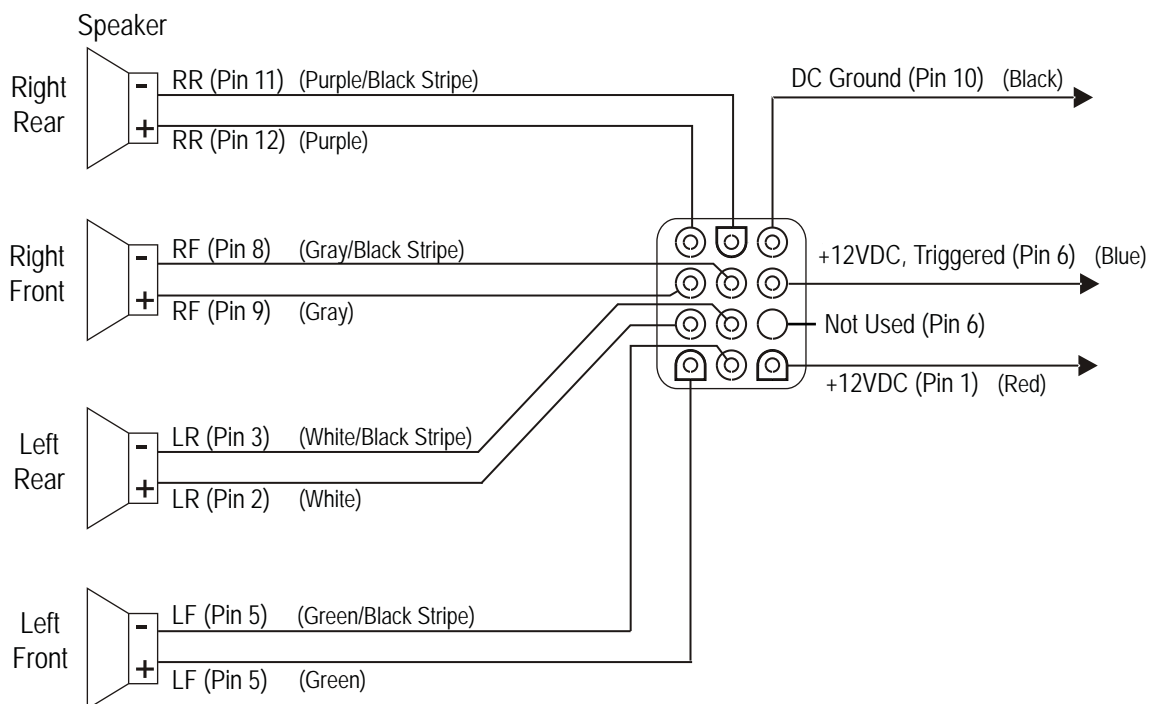
Allows for an external light or relay to be triggered by the Remote Control (350mA max load). *Also see Lights section, page 8.*

6. RF Antenna

Used for communications between the Dock and the Remote control. *Do not connect this wire to an other wire or surface!*

amerec IPOD DOCK, INSTALLATION AND OPERATING INSTRUCTIONS

12 Pin Harness connections:



WIRE HARNESS CONNECTIONS

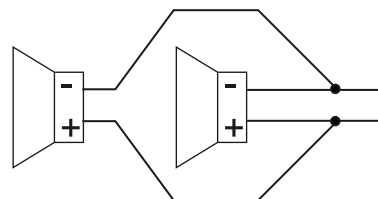
Connect the **Power Supply** to the Red and Black wires (pins 1 and 10 shown above).

A **Triggered +12DCV** output is available (pin 6) for loads up to 350mA. Connect the load's ground (-) to the system DC ground at pin 10. This output is off when the sound system is off and is at +12VDC whenever the sound system is on. Also see *Lights*, page 8.

All open wire connections should be soldered and protected against moisture and dust for best long term performance.

Connect your speakers as shown above. If additional speakers are desired, they should be wired in parallel as shown at right. Using this method allows 8 speakers to be connected to the dock. Note that connecting speakers in this manner lowers the speaker resistance seen by the Dock.

The speakers provided with your system are 4 ohms. Connecting two speakers in parallel will result in an effective speaker resistance of 2 ohms!



CAUTION *Speaker resistance must be at least 2 ohms! If you need assistance, please contract Technical Support at 1-800-363-0251.*

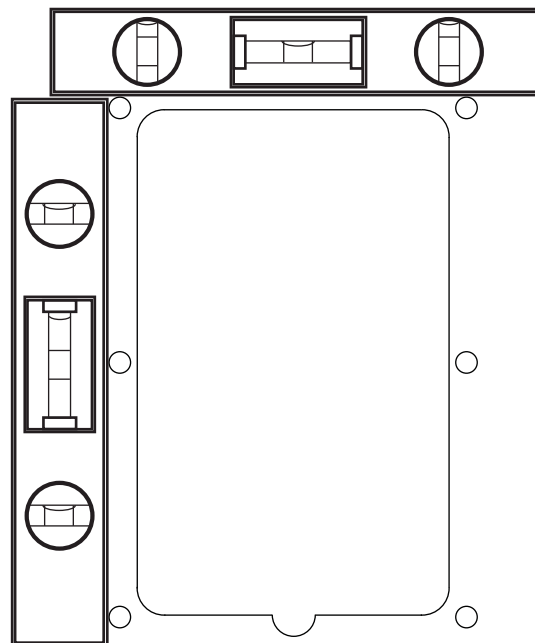
CAUTION *Make sure the polarity of all speakers are connected correctly!*

Note: If your speakers are not supplied with wire or you need longer wires than supplied, we recommend using at least 22AWG speaker wire for lengths up to 100 feet. Wire lengths up to 200 feet are possible but that may reduce the sound quality. In some cases, particularly with long wire lengths, a larger wire size may provide better sound quality compared to a smaller one.

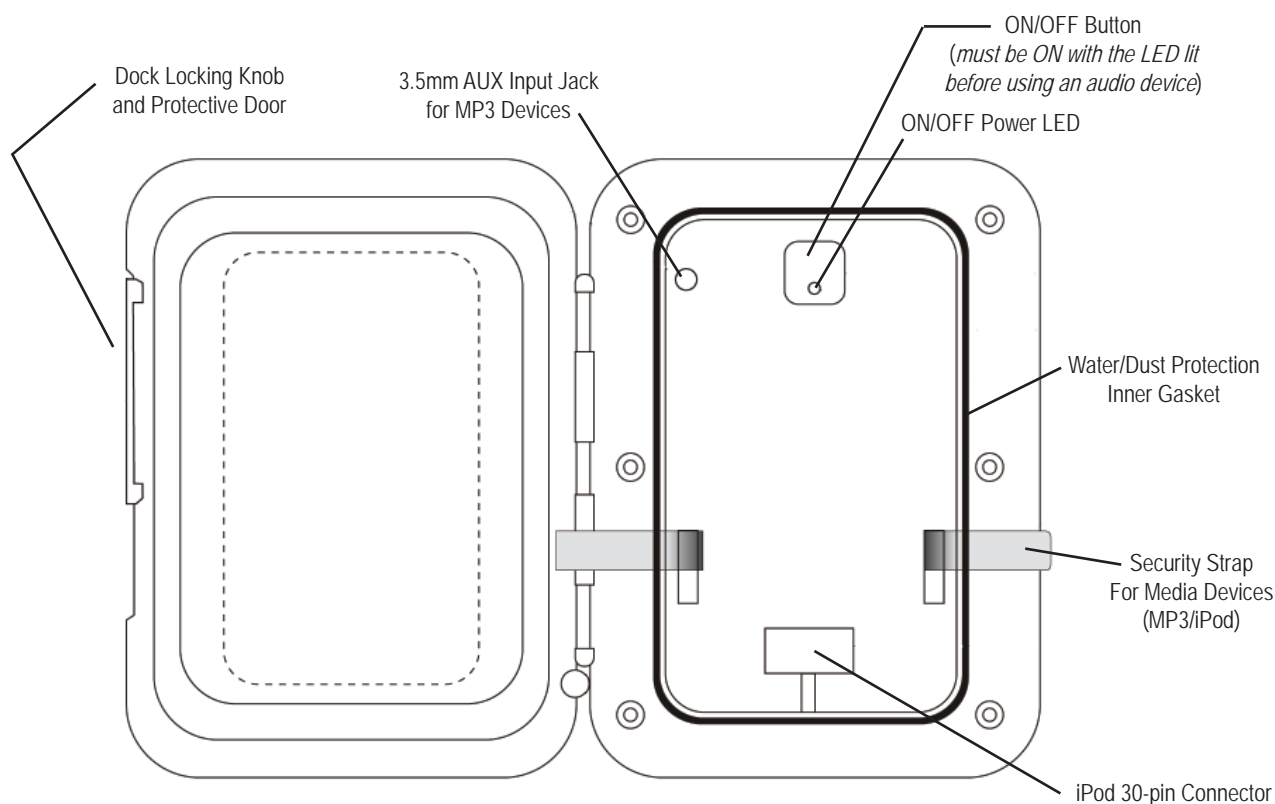
amerec iPod DOCK, INSTALLATION AND OPERATING INSTRUCTIONS

MOUNTING THE IPOD DOCK

1. Mounting templates are included. We recommend using the 'measure twice, cut once' method.
2. Once the mounting hole is complete, make sure the outside surface is clean and clear of debris. The iPod Dock has an external water/dust gasket, but this requires a clean surface for best performance.
3. The Dock is supplied with six(6) mounting screws. Drive the 6 screws using a screw driver. During final mounting, apply equal pressure to all points for the best water/dust outer seal performance.
4. Review all outside surfaces of the Digital Media Locker™ to ensure proper water/dust seal. This is important for long term environmental protection performance for iPod or MP3 devices.

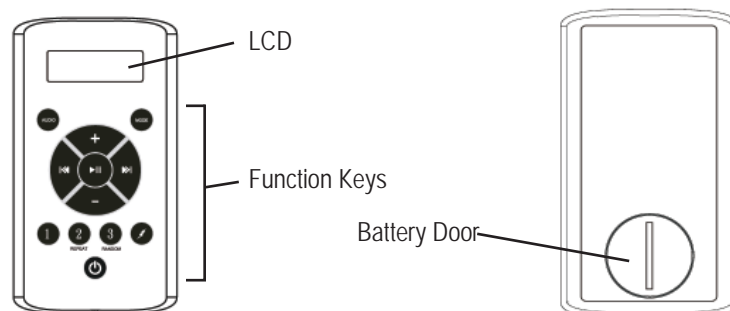


OPERATION



amerec IPOD DOCK, INSTALLATION AND OPERATING INSTRUCTIONS

OPERATION: WIRELESS REMOTE CONTROL: KEY FUNCTIONS



Buttons		Music mode	FM Radio Mode
Power		Press once; Turn Remote and audio on/off	
12V Trigger		Press once: Turn Triggered 12V on/off (See Item 5, Page 3)	Press and hold: No change
Volume - Up		Press once; Volume UP a value	Press and hold; Volume UP fast
Volume - Down		Press once; Volume DOWN a value	Press and hold; Volume DOWN fast
Mode		Press once; Change the source	Press and hold; No change
Audio		Press once; Step through audio options (see section on Audio Settings)	
		Press and hold; No change	
1		Press once; No change	Press once; Listen to saved FM radio station #1
		Press and hold; No change	Press and hold; store a station setting in #1
2		Press once; No change	Press once; Listen to saved FM radio station #2
		Press and hold; No change	Press and hold; store a station setting in #2
3		Press once; No change	Press once; Listen to saved FM radio station #3
		Press and hold; No change	Press and hold; store a station setting in #3
Fast Rewind		Press once; Last track	Press once; radio station scan DOWN
		Press and hold; Fast rewind	Press and hold; tune radio DOWN manually
Pause/Play		Press once; Play/Pause	Press once; No change
		Press and Hold; No change	Press and hold; No change
Fast Forward		Press once; Next track	Press once; radio station scan UP
		Press and hold; Fast Forward	Press and hold; tune radio UP manually

Note: If your player is not an iPod, you will not be able to control tracks or receive track information.

Note: In order to prolong the Remote's battery life, the LCD will turn off after 20 seconds if no button is pressed. To turn the LCD on again, press any key once then press the key for the function desired.

amerec IPOD DOCK, INSTALLATION AND OPERATING INSTRUCTIONS

OPERATION (continued)

Before using your sound system, press the ON/OFF switch inside the Dock to turn it on. Its red LED light should turn on. When the LED is lit, and the audio system off, the Dock is in standby and ready for use. The LED should remain lit while the Dock is on or in Standby.

Note: *While in standby, an iPod will charge, if installed.*








The Remote control communicates wirelessly with the Dock to control the audio functions. A Remote is required in order to operate the sound system.




The MODE Key is used to select the audio device to be used: FM Radio, iPod or AUX. Press the key once to select the Mode menu then press again to step through each input. When done, wait a few seconds without pressing any keys and the control will return to normal.

Input Device operation:


FM radio is only available when you are in the FM Radio Mode. You may save up to three (3) stations.




- (1) To select a station press and release  or  to automatically seek another station.
- (2) Press and hold either  or  to select manual tuning mode then press again to search for the desired station.
- (3) If you want to save the current station for later use, press and hold one of the preset keys   or  for more than 2 seconds. The station will be held in that key's memory. To change to a saved station, simply press its preset key while in Radio mode.

AUX audio is provided from a device connected through the AUX cable, such as an MP3 player. The Remote may be used to turn the audio system on and off and to adjust volume and the audio options. When operating in AUX mode:

- (1) Attach your MP3 device to one of the 3.5mm connectors on the AUX cable and connect the other end of the cable to the AUX jack in the iPod dock.
- (2) Put the MP3 player inside the Dock and secure it with the provided straps.
- (3) Turn on the MP3 player and set it to play music as desired.
- (4) Close and lock the Dock's protective door.
- (5) Use the remote to turn the system on then press  to select the AUX input, if needed.

iPod devices may be controlled and charged using the iPod connector in the dock. The Remote may be used to turn the audio system and iPod on and off, adjust the volume, adjust the audio options, and change tracks. When operating in iPod mode:

- (1) Attach your iPod to the 30 pin connector in the Dock.
- (2) Secure the iPod with the provided straps.
- (3) Close and lock the Dock's protective door.
- (4) Use the remote to turn the system on then press  to select the iPod input, if needed.
- (5) Use the Remote to control the audio:

Key	Press Once	Press and Hold
	Last Track	Fast Rewind
	Toggle between Play and Pause	
	Next Track	Fast Forward

Note: *If you are listening to an iPod then switch to Radio or Standby mode, the iPod will automatically stop playing and its charging screen will appear.*

! *Always be sure to connect or disconnect your media player with dry hands!*

! *Leave the protective door shut while the environment around the Dock is wet!*

amerec IPOD DOCK, INSTALLATION AND OPERATING INSTRUCTIONS



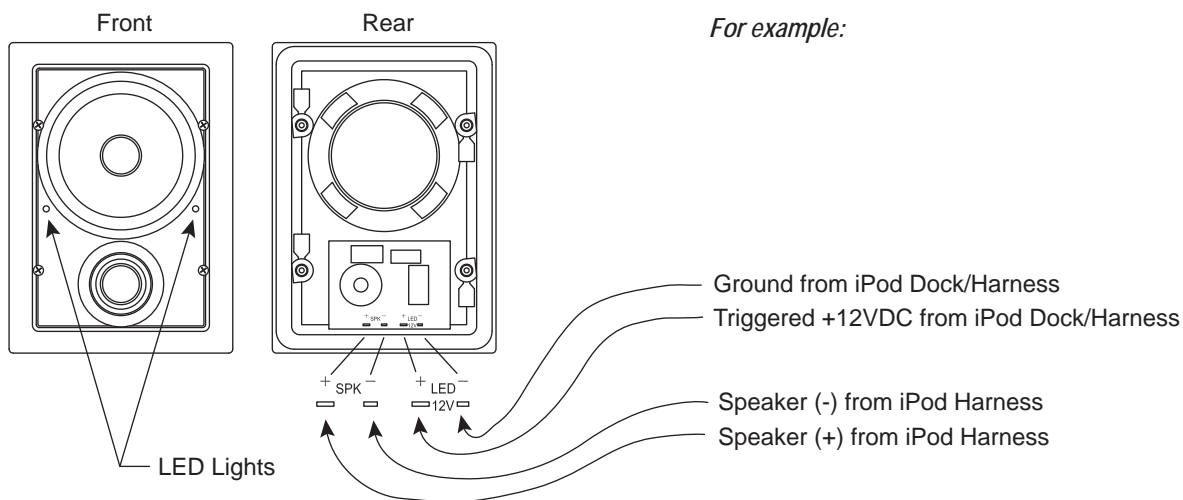
The **Audio Key** is used to select the various audio functions. Press the key once to select the Audio menu then press again to step through each function. When done making adjustments, wait a few seconds without pressing any keys and the control will return to normal. The audio functions are listed below in order:

FUNCTION	USE TO	DEFAULT	DESCRIPTION
BAS	Adjust Bass level	0	Press UP or DOWN arrows to increase or decrease; Range from -10 to +10
TRE	Adjust Treble level	0	Press UP or DOWN arrows to increase or decrease; Range from -10 to +10
BAL	Adjust Left-Right speaker balance	L = R	Press UP or DOWN arrows to change balance; Range from L10 to R10 (only left channel to only right channel).
FADE	Adjust Front-Rear speaker balance	F = R	Press UP or DOWN arrows to change balance; Range from R10 (only rear speakers) to F10 (only front speakers).
DSP	Automatic Equalizer	OFF	Press UP or DOWN arrows to select digital equalizer effects; Options are Off, Classic, Pop, and Rock.
LOUD	Boost low tones	OFF	Press UP or DOWN arrows to turn Loudness on or off. Note: <i>Loudness boosts low tones at low volumes for better sound.</i>
DX	Adjust FM Radio sensitivity	Dx	Press UP or DOWN arrows to change FM reception sensitivity. Use Dx for weak or distant stations, use Local for close stations with strong signals.
STEREO	switch between Stereo/Monaural	STEREO	Press UP or DOWN arrows to select Stereo or Mono (monaural) sound. Note: <i>Using MONO may improve the sound when listening to a weak FM station.</i>

LIGHT OPTIONS

The Dock has two +12VDC accessory outputs available to control other low voltage devices, such as indicator lights. These outputs are typically used to switch low power accessories, such as LED room or indicator lights.

- (1) A switched line supplies 12V when switched on using the Remote. While the audio system is on, press the key on the Remote to turn this line on or off. Connect the 12V device to this line and to ground from the power supply (see *Dock drawing and iPod Dock Connections item 5 on page 3*). This line might be used to turn on a Chromatherapy system, for instance, and cycle through its colors using the Remote. This line supplies 12VDC at 350mA max. (4.2W).
- (2) An unswitched line supplies 12V only while the audio system is on. Connect the 12V device to this line and to ground from the power supply (see *wiring drawing and Wire Harness Connections section on page 4*). This line might be used to light an indicator light to show when the Audio system is turned on, for instance. This line supplies 12VDC at 350mA max. (4.2W).



amerec IPOD DOCK, INSTALLATION AND OPERATING INSTRUCTIONS

TROUBLESHOOTING

! Be sure the dock is sealed against the wall surface! ! Keep the inside of the dock clean and dry!
! Moisture can severely damage the wall or electrical connections!

If the following steps do not correct your problem, contact Technical Support at 1-800-363-0251 for assistance.

Set-up Make sure the power supply is connected to a 120VAC outlet and properly connected to the Dock. Press the Dock's ON/OFF switch and verify its light turns on. If the light does not turn on, check the power supply's 4A fuse (type T4-AL250VSB) and the Dock's 15A fuse (*see drawing, page 3*).

Remote Press a key on the remote. The LCD should display "Welcome" then the selected audio device.

If the Remote displays only two dashes or "No Link", it is not communicating with the Dock. Make sure the Dock's power light is on then:

- Move the Remote closer to the Dock. The Remote should normally work within 25 feet of the dock. This range can be affected by wall materials and other local conditions.
- Has the Remote worked before? If the Remote displays two dashes or "No Link" periodically but does control the Dock properly, you may need a new battery. *See Checking/Replacing the Battery.*
- You may need to pair the Remote to its Dock, particularly if this is a new Remote. To pair a Remote to a Dock:
 - 1) Turn the Dock off using its power switch
 - 2) then press a key to turn on the Remote.
 - 3) then press and hold the **MODE** key until "PAIR" is displayed.
 - 4) while continuing to press the **MODE** key, turn on the Dock using its power switch and
 - 5) continue pressing the **MODE** key until "Welcome" is displayed on the Remote.

The Remote and Dock should now be paired.

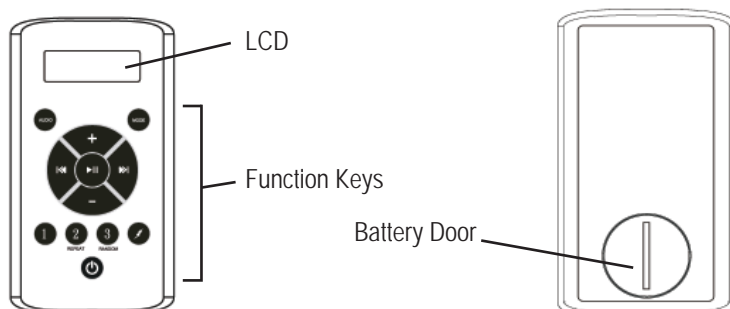
Checking/Replacing the Battery: If the Remote's display remains blank when a key is pressed, check or replace the battery.

To check the battery, use a voltmeter to check its voltage. It should be measure 3VDC or higher.

To replace the battery, unscrew the waterproof cap on the back of the Remote control and replace the CR-2430 battery. Replace the water/dust proof cap.

If the Remote displays correctly but there is no sound, make sure the correct audio device is selected. If the device is correct, then select a different device to determine if the problem is with the device or the sound system.

- If a different device does not provide sound, change the volume and Front-Rear and Left-Right balances.
- If a different device works correctly, check the iPod connector for moisture or moisture damage. Make sure the device is turned on and playing audio.
 - If the device is an iPod, make sure it is securely connected to the iPod jack.
 - If the device is connected to the AUX jack, make sure the cable is securely plugged in at both ends. Turn up the volume on the audio device (MP3 and similar devices may have low output levels and require higher volume settings when connected used with the Dock).
 - If the FM radio can not find a station when auto-scanning, make sure the antenna is connected. Manually tune in a know FM station with a good signal then spread the antenna wires out and move them higher or lower or turn them another direction while listening for a response.
 - Remove the device from the Dock and verify it is operating properly on its own.

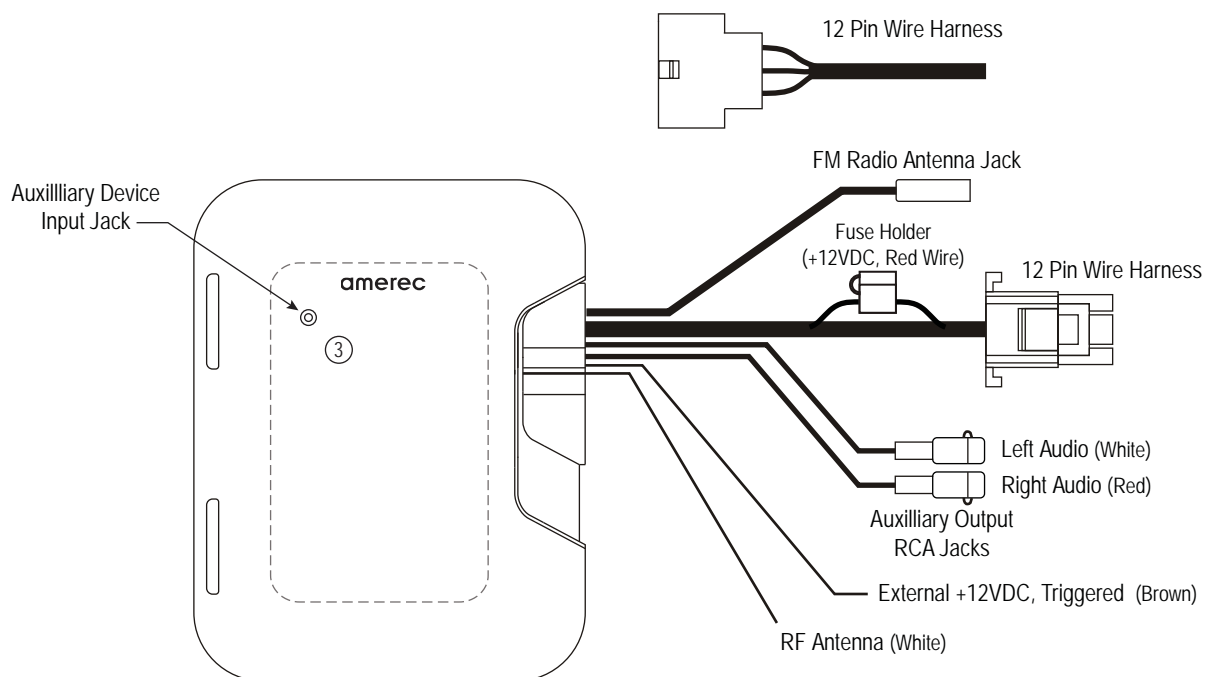


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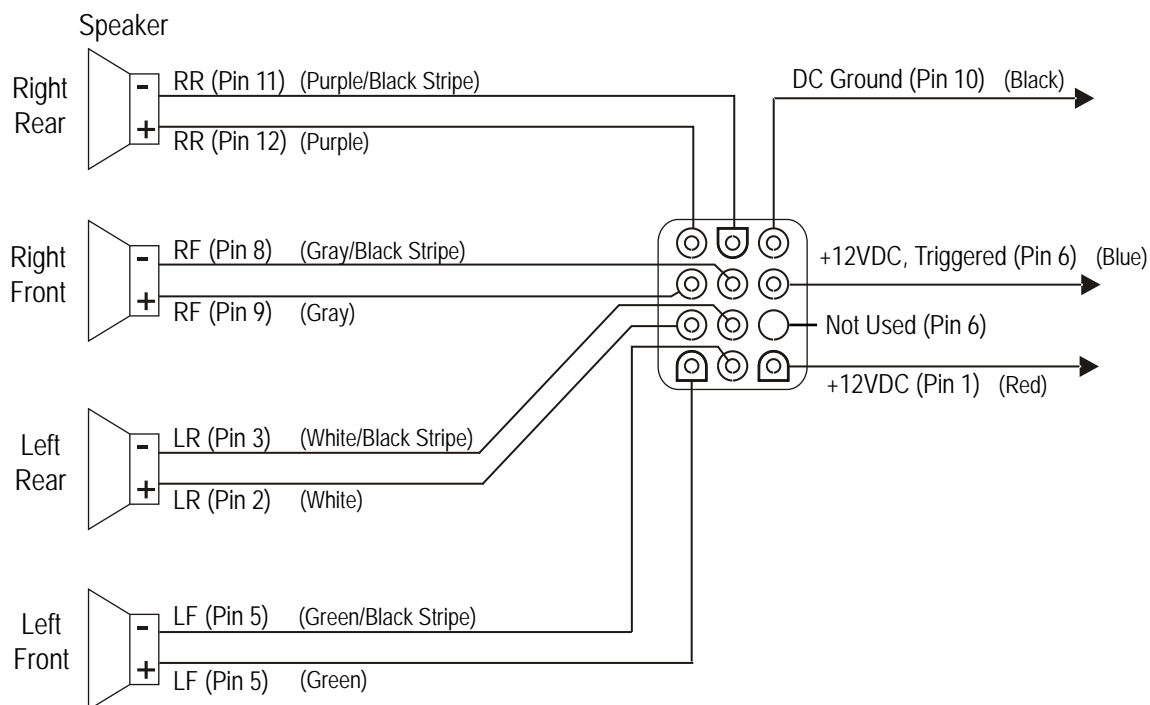
Technical Support
17683 128th Place NE, Bldg C
Woodinville, WA 98072
USA

phone 1-800-363-0251
fax 425-951-1130
email support@amerec.com

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12 Pin Harness connections:

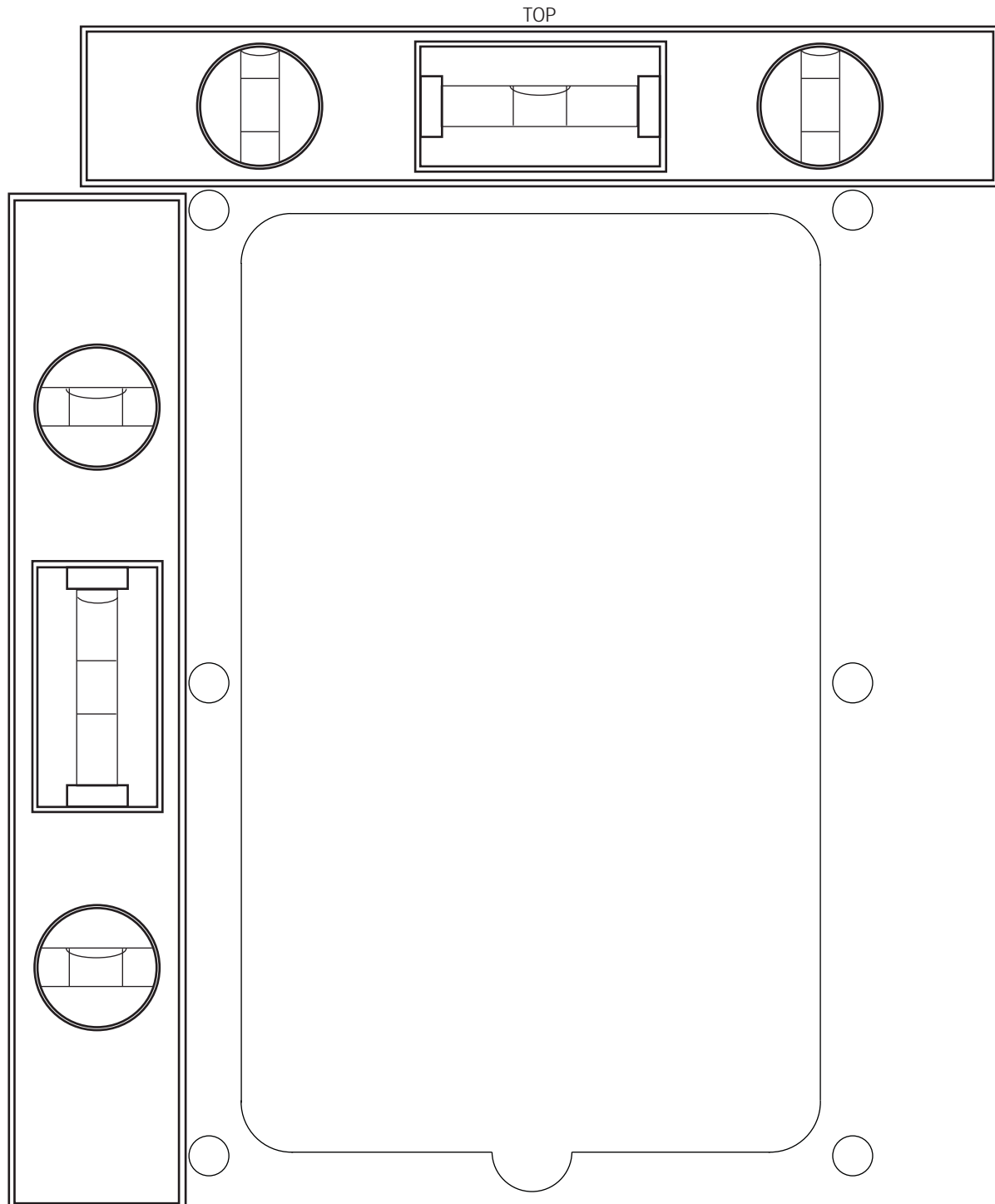


amerec iPOD DOCK, INSTALLATION AND OPERATING INSTRUCTIONS

DOCK MOUNTING TEMPLATE 1

Determine the location where the Dock will be mounted. This drawing may be used as a template or use the instructions on the next page.

Make sure the mounting is level and plumb!



amerec IPOD DOCK, INSTALLATION AND OPERATING INSTRUCTIONS

DOCK MOUNTING TEMPLATE 2

Determine the location where the Dock will be mounted. This drawing may be used as a template or drill holes as shown then connect the large corner holes by cutting straight lines from the outside edges of each hole as shown. The 1/2" hole at the bottom is needed to provide clearance for the iPod cable at the bottom of Dock.

Make sure the mounting is level and plumb!

