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WARNINGS AND COMPLIANCE

**WARNING!** To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.

**WARNING!** The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on apparatus.

**FCC Notes**

**WARNING!** Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user’s authority to operate the equipment.

**NOTE:** 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.
INTRODUCTION

System Features

Features of the Polk UM1A marine audio system include:

- Full Dot Matrix LCD
- AM/FM US/EURO Tuner with 30 Presents (12 AM, 18 FM)
- SiriusXM-Ready™
- USB Playback of MP3 and WMA files (USB1 & USB2)
- Bluetooth (Supports A2DP & AVRCP)
- Weatherband Tuner with Alerts
- Mute
- Pre-set Equalizer – 5 settings (User, Flat, Pop, Classical, Rock)
- Electronic Bass, Mid Treble, Balance and Fader Sub Controls
- Output Power 50W x 4
- Protective Commander Cover
- Wired Remote Control Ready (optional PRC100BC, PRC200BC)
- Zone Control Expansion Ready (optional UMZC4A)
- 4-Channel Pre-amp Line Level Outputs (Front & Rear RCA)
- 1-Channel Subwoofer-Outputs (RCA)
- Auxiliary Audio Input (RCA AUX1 & AUX2)
- Public Announcement (PA) Feature with Optional Microphone (sold separately)

Content List

- Polk UM1A Tuner/Amp Module
- Polk UM1A Wired Commander
- 10’ Extension Cable
- Commander Cover
- Quick Reference Guide
- Cutout Mounting Template
- Hardware Kit
  - Rear Mounting Bracket
  - (4x) #8 Mounting Screws
  - (2x) Mounting Bolt
  - (2x) Lock Washer
  - (2x) Lock Nut

HARDWARE KIT CONTENTS

- Mounting Screws x 4
- Bolt x 2
- Spring Washer x 2
- Rear Mounting Bracket
- Connector Assembly 4 pin Cable
- Lock Nut x 2
SAFETY INFORMATION

When Boating
Keep the volume level low enough to be aware of your surroundings.

Protect from Water
Do not submerge the product in water, as this can cause electric shorts, fire or other damage.

Protect from the Elements
Use the included cover to protect the wired commander from sunlight, dust, and water while not in use.

Protect from High Temperatures
Do not mount radio in close proximity to engine compartment.

Use the Proper Power Supply
This product is designed to operate with a 12 volt DC negative ground battery system.

CAUTION:
DO NOT OPEN COVERS AND DO NOT REPAIR BY YOURSELF. PLEASE REFER SERVICING TO A QUALIFIED TECHNICIAN.

WARNING:
TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK AND INTERFERENCE, USE ONLY THE RECOMMENDED ACCESSORIES.
INSTALLATION

Before You Begin
Always disconnect the negative battery terminal

Important Notes
- Before final installation, test the wiring connections to make sure the unit is connected properly and the system works.
- Consult with your nearest dealer if installation requires the drilling of holes or other modifications to your vessel.
- Install the unit where it does not interfere with operating the vessel and cannot injure passengers.
- Use the included template to cut the installation opening.

Commander Cover
- During storage, use the included cover to prolong the life of your device by protecting the wired commander from direct sunlight, moisture, dust, and other elements.

Wired Commander Mounting
- Choose a mounting area for the wired commander that is clean and flat, allowing the rear gasket to fully seal to the mounting surface.
- Secure the wired commander using either of the recommended mounting methods detailed below.

Bracket Mount
- Insert wired commander through cut-out and secure with bracket using included hardware as detailed in the diagram.

Screw Mount
- Secure the wired commander to the mounting surface using #6 stainless steel pan head screws (not included) as detailed in the diagram.
**Removing the Unit**

To remove the commander, remove bracket mount or remove trim ring and mounting screws, then slide wired commander out of the mounting hole.

**Removing the Trim Ring** *(Screw Mount Only)*

Before removing the mounting screws, remove the trim ring first. Using a small non-metallic panel removal tool, apply the flat edge of the tool to the trim ring top latch area (as shown). Pull forward and twist to disengage the latches. **Note: Use a protective surface under the removal tool so as not to damage the mounting surface.**

**Tuner / Amplifier Module Mounting**

1. Choose a mounting area for the tuner/amplifier module that will provide plenty of ventilation to prevent the amplifier from overheating. The tuner/amplifier module can be mounted in the horizontal or vertical position. Please note that when mounting in vertical position, do not mount with the harness exit points facing straight up, as water can collect around the chassis in these areas.

2. Using the shortest length of the recommended size screws possible, mount the tuner/amplifier as detailed in the diagram on the right.

3. Route the tuner/amplifier harness and cable throughout the vessel as required. Keep some slack in the harness/cables so it won’t be too tight, as this can cause damage to the wires.

4. Follow the wiring diagram carefully and make certain all connections are secured with insulated crimp connectors to ensure proper operation.

5. After completing the wiring connections, reconnect the negative terminal on the battery and turn the unit on to confirm operation (vessel accessory switch must be on). If the unit does not operate, disconnect battery, recheck all wiring and refer to the trouble-shooting guide located in the back of the manual.

---

**STAINLESS STEEL #8 SCREWS (INCLUDED)**

- 1/8” PILOT HOLES FOR SUPPLIED SELF-STARTING SCREWS
- 0.180 PILOT HOLES WHEN USING THREADED MACHINE SCREWS
**WIRING**

**PIN DESCRIPTION**

<table>
<thead>
<tr>
<th>PIN</th>
<th>DESCRIPTION</th>
<th>PIN</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>SPEAKER RR-</td>
<td>7</td>
<td>SWITCHED +12VDC</td>
</tr>
<tr>
<td>2</td>
<td>SPEAKER RR+</td>
<td>8</td>
<td>GROUND</td>
</tr>
<tr>
<td>3</td>
<td>SPEAKER FL+</td>
<td>9</td>
<td>ILL-DIM (RUNNING LIGHTS)</td>
</tr>
<tr>
<td>4</td>
<td>SPEAKER FL-</td>
<td>10</td>
<td>REMOTE TRIGGER</td>
</tr>
<tr>
<td>5</td>
<td>SPEAKER FR+</td>
<td>11</td>
<td>SPEAKER RL+</td>
</tr>
<tr>
<td>6</td>
<td>SPEAKER FR-</td>
<td>12</td>
<td>SPEAKER RL-</td>
</tr>
</tbody>
</table>

**PIN NO. | WIRE COLOR | DESCRIPTION**

<table>
<thead>
<tr>
<th>PIN NO.</th>
<th>WIRE COLOR</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>RED</td>
<td>+12VDC</td>
</tr>
<tr>
<td>2</td>
<td>BLUE</td>
<td>DATA</td>
</tr>
<tr>
<td>3</td>
<td>WHITE</td>
<td>LEFT AUDIO OUT</td>
</tr>
<tr>
<td>4</td>
<td>YELLOW</td>
<td>RIGHT AUDIO OUT</td>
</tr>
<tr>
<td>5</td>
<td>EMPTY</td>
<td>NO CONNECTION</td>
</tr>
<tr>
<td>6</td>
<td>GREEN</td>
<td>NO CONNECTION</td>
</tr>
<tr>
<td>7</td>
<td>GRAY</td>
<td>NO CONNECTION</td>
</tr>
<tr>
<td>8</td>
<td>BLACK</td>
<td>AUDIO GROUND</td>
</tr>
<tr>
<td>9</td>
<td>SHELL</td>
<td>GROUND</td>
</tr>
</tbody>
</table>

**WARNING:** Wiring harnesses come with stripped and tinned leads to aid in the installation process. Any unused speaker wires must have their exposed ends cut off or insulated individually.
The JDAB interface supports up to
• 1 UM1A Commander
• 3 Remote Controls (PRC100BC, PRC200BC, OEM)*
• 4 Extension Cables (PRCEC18)*

Zone Control Options
• 1 UMZC4A Zone Control Extension Module (UMZC4A)*

Use of additional or unapproved devices may result in unexpected operation.

*Optional equipment, sold separately
BASIC OPERATION

Power On/Off
Press the POWER button (4) to turn the unit on/off.

Volume
To increase the volume, rotate the Encoder Knob (5) clockwise. To decrease the volume, rotate the Encoder Knob counter-clockwise.

Mute
Press the Play/Pause button (3) on the control panel to mute the audio output. Press Play/Pause button again to restore the audio output to the previous level.

Mode
Press the MODE button (7) on the control panel to enter mode selection display. Continue to press the MODE button to page through the available playback modes. Press the associated soft button for the desired playback mode as displayed.

Audio Menu
Press the MENU button (6) on the control panel to access the audio menu. You can navigate through the audio menu items by rotation the Encoder Knob and pressing the Encoder Knob to make selection. Rotate the Encoder Knob clockwise to increase and counter-clockwise to decrease. The unit will automatically exit the audio menu after 10 seconds of inactivity. The following menu items can be adjusted.

- **Bass Level**
  Use the Encoder Knob to adjust the Bass level range from "-6" to "+6".

- **Mid-Level**
  Use the Encoder Knob to adjust the Mid-level range from "-6" to "+6".

- **Treble Level**
  Use the Encoder Knob to adjust the Treble level range from "-6" to "+6".

- **Balance**
  Use the Encoder Knob to adjust the Balance between the left and right speakers from "L12" (full left) to "R12" (full right).

- **Fader**
  Use the Encoder Knob to adjust the Fader between the rear and front speakers from "R12" (full rear) to "F12" (full front).

- **Sub Level**
  Use the Encoder Knob to adjust the Subwoofer level from "0" to "40".

- **Equalizer**
  Press the EQ soft button to turn on the equalization function and select between five pre-defined bass and treble curves: USER > FLAT > ROCK > CLASSICAL > POP.

- **Loudness**
  Press the LOUD soft button to toggle loudness on/off. When listening to music at low volumes, this feature will boost the bass and treble ranges.

- **ZP (ZONE PRESET)**
  Press the ZP soft button to turn on the equalization function and select between twenty-four pre-defined zones.

  Use the Encoder Knob to navigate the list of zone presets; then press the Encoder Knob to select.

  *(for use with UMZC4A, sold separately)*

System Menu

1. Press and hold the MENU button for more than 3 seconds to enter the system menu. "SYSTEM MENU" will appear on the display.
2. Rotate the Encoder Knob to navigate the system menu and highlight desired item.
3. Press the Encoder Knob to select the item and rotate the Encoder Knob to adjust selected menu item.
4. Press the Encoder Knob again to enter your selection and return to the menu list.
5. Press the **swoop arrow** soft button to return to the previous operation.
6. The following items can be adjusted:
   - Key Beep (ON / OFF)
   - LCD Backlight (1 – 10)
   - LCD Backlight Night Mode (1-10) (active only on DIM)
   - LCD Contrast (1 – 10)
   - LCD Invert (ON / Night Mode / Off)
   - Button Backlight (1 – 10)
   - Button Backlight Night Mode (1-10) (active only on DIM)
   - Power Button Backlight (1 – 10)
   - Tuning Region (USA / Europe)
   - SXM Satellite Radio (Sub Menu, only accessible in SiriusXM mode)
     - Set Lock Code
     - Locked Channels
     - SXi Software Version
   - Bluetooth Setup (Sub Menu, only accessible in Bluetooth mode)
     - BT ON/OFF: Choose “BT ON” or “BT OFF”.
     - BT PAIR (ON / OFF): Choose “YES” to pair a new device
     - BT DEVICE (Lock / Unlock, Disconnect / Connect / Delete): View, lock and delete from a list of previously paired mobile devices.
   - Sub Control
     - Sub ON / OFF
     - Sub Center (HIGH / MID / LOW)
   - Balance Control (ON / OFF)
   - Fade Control (ON / OFF)
   - AUX1 Level (HIGH / MID / LOW)
   - AUX2 Level (HIGH / MID / LOW)
   - Battery Alarm (ON / OFF)
   - Battery Auto Off (ON / OFF)
   - Restore Defaults: Press **Encoder Knob** to confirm. (Resets to factory default)

**NOTE:** BT Pair and BT Device menu options are only available while UM1A is in Bluetooth mode.

### Battery Alarm Operation

If Battery Alarm is set to “ON”, an alarm will sound (3 beeps every 30 sec) when the voltage drops to 10.8V (+/- 0.3V). A visual warning (Battery Low) will appear flashing on the LCD display.

**NOTE:** “OFF” is the default setting for Battery Alarm. If the audio is muted or the volume is set to 0, the audible beep will not be heard.

### Auxiliary Input

To access an auxiliary device:
1. Connect the portable audio player to the AUX1 IN or AUX2 IN cables routed from the rear of the radio.
2. Press the **MODE** button twice to view the AUX option.
3. Press the AUX1 or AUX2 soft button to select auxiliary audio input mode.

### PA Operation

**(PA microphone sold separately)**

- Connect the PA Microphone with 4-PIN connector to the PA-MIC-IN on rear.
- The unit will automatically switch to PA mode when the mic switch is pushed “ON”.
- The PA output level can be adjusted using the rotary volume encoder when “ON” (1).
- With radio power off, the radio will wake up when PA mic is keydown to make an announcement. Please note that it will take a few seconds before the radio “wakes up” and PA is active. Radio will return to the off state when the PA mic is released.

### LCD Invert

- Inverts LCD colors to enable a high-contrast view for difficult lighting situations.

### Night Mode

- Connect the ILL-DIM wire on the UM1A harness to your vessel’s running lights or instrument panel lights.
- LCD Invert, LCD Backlight Night Mode, and Button Backlight Night Mode levels will be automatically activated in Night Mode.
- Backlight levels and invert function can be adjusted through system menu.
- When running lights are activated, UM1A display will automatically switch to Night Mode settings.

### Liquid Crystal Display (LCD)

The current frequency and activated functions are shown on the LCD panel (10).

**NOTE:** LCD panels may take longer to respond when subjected to cold temperatures for an extended period of time. In addition, the visibility of the numbers on the LCD may decrease slightly. The LCD display will return to normal when the temperature increases to a normal range.

### Back Key (swoop arrow)

In various modes and conditions, the swoop arrow option will be available in the lower right soft button. Press button to exit the current operation without waiting for the system default time out and returning to the previous menu display.
TUNER OPERATION

Tuner mode options available are TUNE, BAND, PSET and PTY.

BAND
Select a Band
Press the BAND soft button to change between FM or AM bands.

TUNE
Manual Tuning
Press the Tune soft button. Press the << or >> soft buttons to decrement/increment stations down/up step by step.

Seek Tuning
Press and hold << or >> soft buttons to automatically seek the next or previous strongest broadcast station.

PSET
PSET mode options available are Auto Scan (AS), Preset Scan (PS) and Preset List (LIST)

AS
Press the AS soft button to automatically select strongest stations and store in the preset list for the selected Band. New stations will replace any stations already stored in that band.

PS
Press the PS soft button to scan stations stored in the current band list. The unit will pause for ten seconds at each preset station. Press PS again to stop scanning when the desired station is reached.

LIST
Press the LIST soft button to display the preset list. There are 18 FM and 12 AM preset locations to store your favorite broadcast stations.

Store a Station
While tuned to the desired broadcast station, rotate the Encoder Knob to navigate the preset list and highlight the desired preset memory location. Press and hold the Encoder Knob for 3 seconds or press the SAVE soft button to store the station. The station frequency will appear in the display adjacent to the preset memory location number.

Recall a Station
Rotate the Encoder Knob to navigate the preset list and highlight the desired preset memory location. Press the Encoder Knob to select and tune to the corresponding stored station.

PTY
Press the PTY soft button access search for stations in your area broadcasting RBDS information.

NOTE: Radio stations broadcasting RBDS may not be available in your listening area.

In FM radio mode, press the PTY soft button to list the following Program Type (PTY) options: ANY / News / Information / Sports / Talk / Rock / Classic Rock / Adult Hits / Soft Rock / Top 40 / Country / Oldies / Soft / Nostalgia / Jazz / Classical / R&B / Soft R&B / Foreign Language / Relig Music / Relig Talk / Personality / Public / College / Weather / Emergency Test / Emergency!!

To search for stations in a PTY category:
1. Rotate the Encoder Knob control to navigate through the list of available categories and elect the program type you wish to search.
2. Highlight selecting the desired PTY, press the Encoder Knob control to start search the band or broadcasts of this type. PTY Search...” will be displayed during the search. If a matching broadcast station is found, it will automatically tune to that station. If none is found, the unit will return to the previously tuned broadcast station.

NOTE: Performing a PTY search on “ANY” will Seek Tune and stop on any station broadcasting RBDS, regardless of the program type.
Stereo (ST)

The unit will automatically pick up an FM stereo signal, when available. When in stereo mode, the “ST” icon appears in the display. When no stereo signal is available, the unit will automatically revert to mono operation, and no icon will be displayed.
WEATHER BAND OPERATION

What is the NOAA Weather Radio/Weatheradio Canada?
NOAA (National Oceanic and Atmospheric Administration) is a nationwide system that broadcasts local weather emergency information 24 hours a day via the National Weather Service (NWS) network. The U.S. network has more than 530 stations covering the 50 states as well as the adjacent coastal waters, Puerto Rico, the U.S. Virgin Islands and the U.S. Pacific Territories. Each local area has its own transmitting station and there are a total of seven broadcasting frequencies used. A similar system is available in Canada under the Weatheradio Canada service administered by Environment Canada.

Tuning to Weatherband
Press the MODE button (7) then the WB soft button (2) to access the Weatherband. The indication "WB" will appear on the display panel, along with the current number and channel indication: "WB-1", "WB-2", "WB-3", "WB-4", "WB-5", "WB-6" or "WB-7". The seven frequencies are shown in the following table:

<table>
<thead>
<tr>
<th>Weatherband Frequencies</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency (MHz)</td>
</tr>
<tr>
<td>-------------------------</td>
</tr>
<tr>
<td>162.400</td>
</tr>
<tr>
<td>162.425</td>
</tr>
<tr>
<td>162.450</td>
</tr>
<tr>
<td>162.475</td>
</tr>
<tr>
<td>162.500</td>
</tr>
<tr>
<td>162.525</td>
</tr>
<tr>
<td>162.550</td>
</tr>
</tbody>
</table>

Under normal conditions the unit will automatically tune to the strongest station in the area within 10 seconds.

Manual Tuning
Press the Tune soft button and use the << or >> soft buttons to adjust station tuning step-by-step.

LIST
Press the LIST soft button to display the preset list.

Recall a Station
Rotate the Encoder Knob to navigate the preset list and highlight the desired preset memory location. Press the Encoder Knob to select and tune to the corresponding stored station. Note that the presets are assigned and cannot be changed by the user.

How many stations can I expect to receive?
Since the broadcasts are local weather and information, the transmission power is usually very low (much less than standard AM or FM stations) so you will usually receive only one station unless you are on the edge of two or more broadcast signals. The most you will receive will be two or three, and that is rare.

Is it possible I won’t receive any stations?
Depending on where you are located, there is a possibility you will receive only a very weak signal or none at all. Also, similar to AM and FM signals, weatherband signals are subject to surrounding conditions, weather, obstructions of the signal by hills or mountains, etc.
SiriusXM® RADIO OPERATION

About SiriusXM
Only SiriusXM brings you more of what you love to listen to, all in one place. Get over 140 channels, including commercial-free music plus the best sports, news, talk, comedy and entertainment. Welcome to the world of satellite radio. A SiriusXM Vehicle Tuner and Subscription are required. For more information, visit www.siriusxm.com in the US or www.siriusxm.ca in Canada.

Accessing SiriusXM Mode (Requires optional SiriusXM tuner)
Press the MODE button (7) to enter mode selection display. Press the SXM soft button (9) to change to SiriusXM mode.

Accessing your SiriusXM Radio ID
To subscribe to the SiriusXM Satellite Radio service, it is necessary to locate and identify the Radio ID of your SiriusXM Tuner. With the radio turned on, tune to the SiriusXM preview channel on Channel 1. You should be able to hear the SiriusXM preview channel even if your service is not activated.

1. In SiriusXM mode, press and hold the Encoder Knob button (5) to select Direct Channel Entry mode.
2. Rotate the Encoder Knob to select each digit.
3. Press the Encoder Knob button for each digit to enter “000”.
4. Upon entering the last digit, the unit will tune to the SiriusXM ID number for your tuner.
5. Write down the 8 digit ID number for reference.

NOTE: The SiriusXM Radio ID does not include the letters I, O, S or F.

Activating Your Service
1. With the radio still turned on, tune to the SiriusXM preview channel on Channel 1. You should be able to hear the SiriusXM preview channel even if your service is not activated. If you cannot hear the preview channel, please check the installation instructions to make sure your tuner is properly installed.
2. For subscriptions in the United States, please visit www.siriusxm.com/activatenow or call SiriusXM Listener Care at 1-866-635-2349.
   For subscriptions in Canada, please visit www.siriusxm.ca/activatexm or call XM Listener Care at 1-877-438-9677

NOTE: As part of the activation process, the SiriusXM satellites will send an activation message to your tuner (see “Advisory Messages Reported by the SiriusXM Vehicle Tuner”). When your radio detects that the tuner has received the activation message, your radio will display: “Subscription Updated”. Once subscribed, you can tune to channels in your subscription plan. Note, the activation process usually takes 10 to 15 minutes, but may take up to an hour. Your radio will need to be powered on and receiving the SiriusXM signal to receive the activation message.

TUNE
TUNE mode options available are |<<, >>| and INFO.

Manual Tuning
Press the Tune soft button. Press the |<< (2) or >>| (1) soft buttons to decrement/ increment channels down/ up step by step.

Rapid Tuning
Press and hold |<< or >>| soft buttons to quickly tune next or previous channels in sequence.

PSET
Preset mode options available are PS and LIST.
**PS**
Press the PS soft button to scan stations stored in the preset list. The unit will pause for ten seconds at each preset channel. Press the Encoder Knob button or the PS soft button again to stop scanning when the desired channel is reached.

**LIST**
Press the LIST soft button to display the preset list. There are 18 preset locations to store and allow convenient access to your favorite channels.

**Store a Station**
While tuned to the desired broadcast channel, rotate the Encoder Knob to navigate the preset list and highlight the desired preset memory location. Press and hold the Encoder Knob for 3 seconds or press the SAVE soft button to store the channel. The channel information will appear in the display adjacent to the preset memory location number.

**Recall a Station**
Rotate the Encoder Knob button to navigate the preset list and highlight the desired preset memory location. Press the Encoder Knob button to select and tune to the corresponding stored channel.

**CAT**
Category mode options are CAT+, CAT- and INFO

**Category Tuning**
1. Press the CAT +/- soft buttons to change the category. Each category title will be displayed along with the channel list within the selected category.
2. Rotate the Encoder Knob to navigate the channel list within the selected category.
3. Press the SEEK/TUNE/TRK buttons to select a channel within the chosen category.
4. Press Encoder Knob button to confirm the channel selection.

**Channel Direct Access Tuning**
1. Press and hold the Encoder Knob button to access Direct Tune mode. “Enter Channel Number: 0 _ _ _” will appear on the display.
2. Rotate the Encoder Knob to select a digit (0 – 9) for each number position.
3. Press the Encoder Knob button to confirm each digit and move to the next digit.
4. Upon entering the last digit, the unit will tune to the desired channel number.

**SiriusXM Channel Lock Feature**
The Parental Control feature allows you to limit access to any SiriusXM channels, including those with mature content. When enabled, the Parental Control feature requires you to enter a passcode to tune to the locked channels. Information about setting the user passcode, locking channels and the method to access locked channels is described below.

**Setting the User Passcode**
1. Press and hold the MENU button for more than 3 seconds to enter the system menu.
2. Rotate the Encoder Knob to navigate the menu list to the “SXM SETUP MENU” option.
3. Press the Encoder Knob button to view “Set Lock Code”.
5. Rotate the Encoder Knob to select a digit (0 – 9) for each number position. The default code is “0000”. Press the Encoder Knob button to confirm each digit and move to the next digit.
6. Upon entering the last digit, the unit will prompt for confirmation of the code.
7. Repeat the same steps to enter the code again.

**Locking a Channel**
1. Press and hold the MENU button for more than 3 seconds to enter the system menu.
2. Rotate the Encoder Knob to navigate the menu list to the “SXM SETUP MENU” option.
3. Rotate the Encoder Knob to "Locked Channels…”.
5. Enter the Lock Code, a list of channels with open lock icons will appear.
6. Rotate the Encoder Knob to select a channel you wish to lock
7. Press the Encoder Knob button to lock the channel. The locked icon will indicate the channel has been successfully locked.

**Accessing a Locked Channel**
1. Tune to the desired channel using the |< or >>| soft buttons or use the direct access tuning method.
3. Enter the Lock Code within 10 seconds to unlock and tune the channel.
4. The device will remain in “unrestricted” (unlocked) mode until the next power cycle.

**Reset SiriusXM Channel Lock Code**
If you forget your Parental Control lock code, use the following directions to reset the code to the default "0000". Resetting the code will not affect the locked channels list.
1. In SiriusXM mode, tune to Channel 0.
2. Rotate the Encoder Knob to change the volume setting to 0.
3. Press the Power Button to turn off the unit.
4. With the unit turned off, press and hold the **Power Button** until the system version information is displayed on the screen.

5. Press the **Encoder Knob** button to turn the LCD display off.

6. Press the **Power Button** to turn on the unit.

7. The lock code has now been reset to “0000”.

**INFO**

*Alternate Display Information*

INFO option is available in TUNE, CAT and PSET LIST modes. Press INFO soft button to change the display information in the following order:

**NAME** (Artist) > **SONG** (Title) > **INFO** (Content, if available) > **CAT** (Category) > **NAME** (Artist).

**Satellite Signal Strength**

The display will indicate satellite reception strength as shown below.

<table>
<thead>
<tr>
<th>Signal Strength</th>
<th>Strength Display</th>
</tr>
</thead>
<tbody>
<tr>
<td>No Signal</td>
<td>🌘</td>
</tr>
<tr>
<td>Weak</td>
<td>🌘</td>
</tr>
<tr>
<td>Good</td>
<td>🌘</td>
</tr>
<tr>
<td>Excellent</td>
<td>🌘</td>
</tr>
</tbody>
</table>
### Advisory Messages Reported by the SiriusXM Vehicle Tuner

<table>
<thead>
<tr>
<th>On-Screen Display</th>
<th>Advisory Message</th>
<th>Cause</th>
<th>Explanation/Solution</th>
</tr>
</thead>
</table>
| Check Antenna     | Check Antenna    | The radio has detected a fault with the SiriusXM antenna. The antenna cable is either disconnected or damaged. | • Verify that the antenna cable is connected to the SiriusXM Tuner.  
• Inspect the antenna cable for damage and kinks. Replace the antenna if the cable is damaged. |
| Check Tuner       | Check Tuner      | The radio is having difficulty communicating with the SiriusXM Tuner.  
• The tuner may be disconnected or damaged. | • Verify that the SiriusXM Tuner cable is securely connected to the radio SiriusXM mating connector/cable.  
• If the problem persists, disconnect and reconnect the tuner and then contact your dealer. |
| No Signal         | No Signal        | The SiriusXM Connect Vehicle Tuner is having difficulty receiving the SiriusXM satellite signal | • Verify that your antenna is outdoors with a clear view of the southern sky.  
• Verify that the SiriusXM antenna is mounted in an unobstructed area on the outside of the vessel.  
• Move the SiriusXM antenna away from any obstructions.  
• Inspect that antenna cable for damage and kinks. Replace the antenna if the cable is damaged.  
• If the problem persists, disconnect and reconnect the tuner and then contact your dealer. |
| Subscription update | Subscription Updated | The radio has detected a change in your SiriusXM subscription status. | • Press any key to clear the message.  
• No further action is required.  
• Questions about your subscription in the United States please visit www.siriusxm.com/activatenow or call SiriusXM Listener Care at 1-866-635-2349.  
• Questions about your subscription in Canada, please visit www.siriusxm.ca/activatexm or call XM Listener Care at 1-877-438-9677 |
| Chan Unavailable  | Channel Not Available | The channel that you have requested is not a valid SiriusXM channel or the channel that you were listening to is no longer available. You may also see this message briefly when first connecting a new SiriusXM Connect Vehicle tuner. | Visit www.siriusxm.com/channellineup for more information about the SiriusXM channel lineup. |
| Ch UnSubscribed   | Channel Not Subscribed | The channel that you have requested is not included in your SiriusXM subscription package or the channel that you were listening to is no longer included in your SiriusXM channel lineup. | • Questions about your subscription in the United States please visit www.siriusxm.com/activatenow or call SiriusXM Listener Care at 1-866-635-2349.  
• Questions about your subscription in Canada, please visit www.siriusxm.ca/activatexm or call XM Listener Care at 1-877-438-9677 |
### Advisory Messages Reported by the SiriusXM Vehicle Tuner (Continued)

<table>
<thead>
<tr>
<th>On-Screen Display</th>
<th>Advisory Message</th>
<th>Cause</th>
<th>Explanation/Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chan Locked</td>
<td>Channel Locked</td>
<td>The channel that you have requested is Locked by the radio Parental Control feature.</td>
<td>See the section on Parental Control, page 15 for more information on the Parental Control feature and how to access locked channels.</td>
</tr>
<tr>
<td>Enter Code: _ _ _ _</td>
<td>Enter Lock Code</td>
<td>User prompted to enter the lock/unlock code.</td>
<td>Enter the four digit code to unlock the channel.</td>
</tr>
<tr>
<td>Wrong Code</td>
<td>Invalid Lock Code</td>
<td>The unlock code entered by the user is incorrect.</td>
<td>• Input the correct four digit code to unlock the channel.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>• Reset lock code to default following instructions on page 14.</td>
</tr>
</tbody>
</table>
USB MP3 OPERATION

MP3 Specifications
- A directory that does not include an MP3 file is skipped.
- Maximum number of folders: 512 (including skipped directories)
- Maximum number of folder levels: 12
- Maximum number of MP3 files: 999
- Maximum number of characters for MP3 file name and folder name: 32
- Sampling frequency: 16KHz, 22.05KHz, 24KHz, 32KHz, 44.1KHz, 48KHz.
- Maximum number of Characters of ID3 Tag:
  - ID3 Tag version 1.0: 32
  - ID3 Tag version 2.x: 32

NOTE: USB flash drives with a capacity of up to 64 GB are supported.

Inserting and Removing a USB Device
Inserting a USB Device
Insert the USB device into the USB1 or USB2 port and display will show the "Loading..." message. The unit will read the files on the USB device automatically.

Removing a USB Device
Press the MODE button (7) to select another mode and then remove the USB device from the USB connector.

NOTE: After loading a USB device, files and folders are accessed in the order in which they were written to the device. Therefore, the playing order may not be the same as the order in which they are expected to be played.

Accessing USB Mode
Switching to USB Mode
Press the MODE button (7) twice to enter mode selection display. Press the USB1 soft button (1) or USB2 soft button (2) to change to USB mode.
USB mode options available are |<<, >>|, LIST and RRI.

Selecting Tracks
Press the |<< (2), >>| (1) soft buttons to increment or decrement to the next song file. The selected file name will appear on the display. Press and hold the |<<, >>| soft buttons to fast forward or fast reverse through the current file. Playback begins when the button is released.

LIST
Browse Files/Folders
Rotate the Encoder Knob (5) to navigate and view the list of all files/folders. Press the Encoder Knob button to select the highlighted file/folder. Press the BACK soft button to reverse navigate the folders and return to the root level directory.

Play/Pause
Press the || button to suspend playback. Press the || button (3) again to resume playback.

RRI (Repeat, Random, Intro)
Previewing Tracks
Press the INT soft button (9) to play the first 10 seconds of each file in the current folder sequentially. Press the INT soft button again to stop Intro Scan and resume normal playback of the current file.

Repeat Play
Press the RPT soft button (9) during song play to repeat the current file. Press the RPT soft button again to stop repeat play.

Random Play
Press the RND soft button (9) to play all files in the current folder in random, shuffled order. Press the RND soft button again to stop random play.
BLUETOOTH OPERATION

The UM1A includes built-in Bluetooth technology that allows you to connect this head unit to Bluetooth-enabled devices for streaming audio playback.

About Bluetooth Technology

Bluetooth wireless technology is a short-range wireless radio protocol. Operating in the 2.4 GHz range, it transmits voice and data at speeds up to 2.1 Mbit/s over a range of up to 10 meters.

Bluetooth Menu Options

NOTE: Please note that some BT menu options are only available while the unit is in BT Audio mode.

Press and hold the MENU button (6) to enter menu adjustment mode. Rotate the Encoder Knob (5) to navigate the menu list to “Bluetooth Setup” and press the Encoder Knob to access the following Bluetooth Menu options:

- **BT ON/OFF**: Rotate the Encoder Knob to choose “BT ON” or “BT OFF”, and then press the Encoder Knob button to enter the selection.
- **BT DEVICE**: Press the Encoder Knob button to view devices from the list. Rotate the Encoder Knob to view a list of previously paired mobile devices. Press the Encoder Knob button to select the device. Rotate the Encoder Knob to choose Lock/Unlock.

Disconnect or Delete for this device. You cannot delete a device that is actively connected.

- **BT PAIR**: Rotate the Encoder Knob to choose “Pair?”, then press the Encoder Knob button to start pairing mode.
- **LOCK/UNLOCK**: The UM1A can store up to 5 devices for BT connection. The devices are stored in FIFO (First in First Out) order. To prevent a device from being bumped from the list when more than 5 devices are used, you must lock the device. To Lock/Unlock a device, press the Encoder Knob button to display/change the Locked or Unlocked icon.
- **DISCONNECT**: To disconnect a paired device, press the Encoder Knob button to temporarily remove the BT link. The link can be re-established through your phone menu by selecting the UM1A for connection.
- **DELETE**: To delete a device from the list, press the Encoder Knob button.

Pairing a Bluetooth Device

Before you begin, consult the owner’s manual for the Bluetooth device you want to pair with the UM1A.

1. Make sure the device is on and ready to receive a signal from the UM1A. There are two methods to pair a device; through the user menu or press and hold the Encoder Knob while unit is in BT mode.

   With the UM1A in BT Audio mode, choose BT PAIR from the UM1A menu and press the Encoder Knob button to select ON. The unit is waiting to connect to a mobile device.

2. When the Bluetooth device has completed its search, the mobile device will display the Bluetooth device name (UM1A).

3. Select UM1A. The Bluetooth Audio icon will show on the LCD display.

4. Enter the pairing password (0000), if requested.

   After connecting successfully, you are able to listen to music stored on your Bluetooth enabled device through the radio.

Answering a Call

When answering a call using a connected phone, Bluetooth audio will pause. After hanging up from the call, Bluetooth audio will continue on most devices. It may be necessary to press the play button to resume playback.
BT Audio (A2DP)

When connected, a Bluetooth enabled device is able to stream audio to the UM1A. To access Bluetooth mode and play songs stored on your phone, press the MODE button (7). While in BT mode, the BT AUDIO icon illuminates on the LCD.

Selecting Tracks
During playback, press the |<< (2) / >>| (1) soft buttons to play the previous or next track.

Pausing Playback
During playback, press the || button (3) to pause the BT AUDIO player. "||" will appear on the LCD. Press || again to resume playback.

If you change to another mode, the mobile phone audio will pause. Press the MODE button (7) to return to BT mode and resume mobile phone audio playback.

INFO
Press INFO button (8) to view the name of the connected device.

NOTE: If a Bluetooth device is disconnected due to the power being turned off or if the device is disconnected inadvertently, the unit will automatically search for the matching Bluetooth device when the power is restored.

APP OPERATION

POLK® Specialty Controller is the ultimate wireless remote control for your POLK stereo system. Store away your old remotes and enjoy the convenience of all the primary functions of your POLK stereo right from your phone or tablet by transforming your mobile device into a functional stereo remote control!

Features
This app controls all of the primary functions of your stereo features including:
- Power on/off
- Volume and mute
- AM/FM radio tuner: access station, recall, store presets, switch songs
- NOAA weather band and alert
- Bluetooth® streaming audio
- File structure visibility, track selection, track audible scan up and down via USB1 & USB2
- Auxiliary audio input control —auxiliary analog 1 & 2
- Visual display feedback so you can see artist title and album on your mobile screen
- SiriusXM radio: access station, recall, store presets, switch songs
- Audio menu controls- bass, treble, balance, fader, equalizer, volume and speaker selection settings

Connecting and using Ultramarine app
After downloading and installing Ultra Marine app on your device, pair your device to the UM1A as stated above for Bluetooth pairing.

When Ultra Marine is installed on an Android operating system, close the app before Bluetooth pairing, otherwise there may be errors on Bluetooth connection.
SPECIFICATIONS

FM Radio
Frequency Coverage (USA) ........................................ 87.5 to 107.9 MHz
Frequency Coverage (Europe) ........................................ 87.5 to 108 MHz
Sensitivity (S/N = 30dB) ........................................ 4uV
Image Rejection ...................................................... >45 dB
Stereo Separation ...................................................... >25 dB

AM/MW
Frequency Coverage (USA) ........................................ 530-1710 kHz
Frequency Coverage (Europe) ........................................ 522-1620 kHz
Sensitivity (S/N = 20dB) ........................................ 36dB

General
Frequency band(s) (for Bluetooth) .............................. 2.4~2.4835GHz
Maximum radio-frequency power transmitted (for Bluetooth) .............................. 4 dBm
Operating Voltage ........................................ DC 12 Volts
Grounding System .................................................. Negative Ground
Speaker Impedance .................................................. 4-8 ohms per channel

Tone Controls:
  Bass (at 100 Hz) .................................................... ±10dB
  Mid (at 1KHz) ...................................................... ±8dB
  Treble (at 10 kHz) .................................................. ±10dB
  Power Output ...................................................... 50W x 4

Current Drain ..................................................... 15 Ampere (max.)
Chassis Dimensions .............................................. 184(L) x 206(W) x 71(H) mm
Front Panel Dimensions ....................................... 188(L) x 58(W) x 21(H) mm

TROUBLESHOOTING

<table>
<thead>
<tr>
<th>Symptom</th>
<th>Cause</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>No Power</td>
<td>The vessel’s accessory switch is not on</td>
<td>If the power supply is properly connected to the vessel’s accessory terminal, switch the ignition key to “ACC”</td>
</tr>
<tr>
<td>No Sound</td>
<td>Volume is too low</td>
<td>Adjust volume to audible level</td>
</tr>
<tr>
<td>The Operation keys do not work</td>
<td>Wired commander is not properly installed</td>
<td>Check wired commander installation and connection</td>
</tr>
<tr>
<td></td>
<td>Built-in microcontroller is not operating properly</td>
<td>Press the RESET button located on the back of the Tuner/Amp Module</td>
</tr>
</tbody>
</table>