

# Stinger®



## SPXM1

POWERSPORTS AND  
MARINE MEDIA PLAYER  
IPX RATED - SWITCH COMMAND

# USER GUIDE





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**TECHNICAL SUPPORT:**  
866-931-8021  
[support@stingerelectronics.com](mailto:support@stingerelectronics.com)

**CUSTOMER SOLUTIONS:**  
800-477-2267  
[customersolutions@aampglobal.com](mailto:customersolutions@aampglobal.com)

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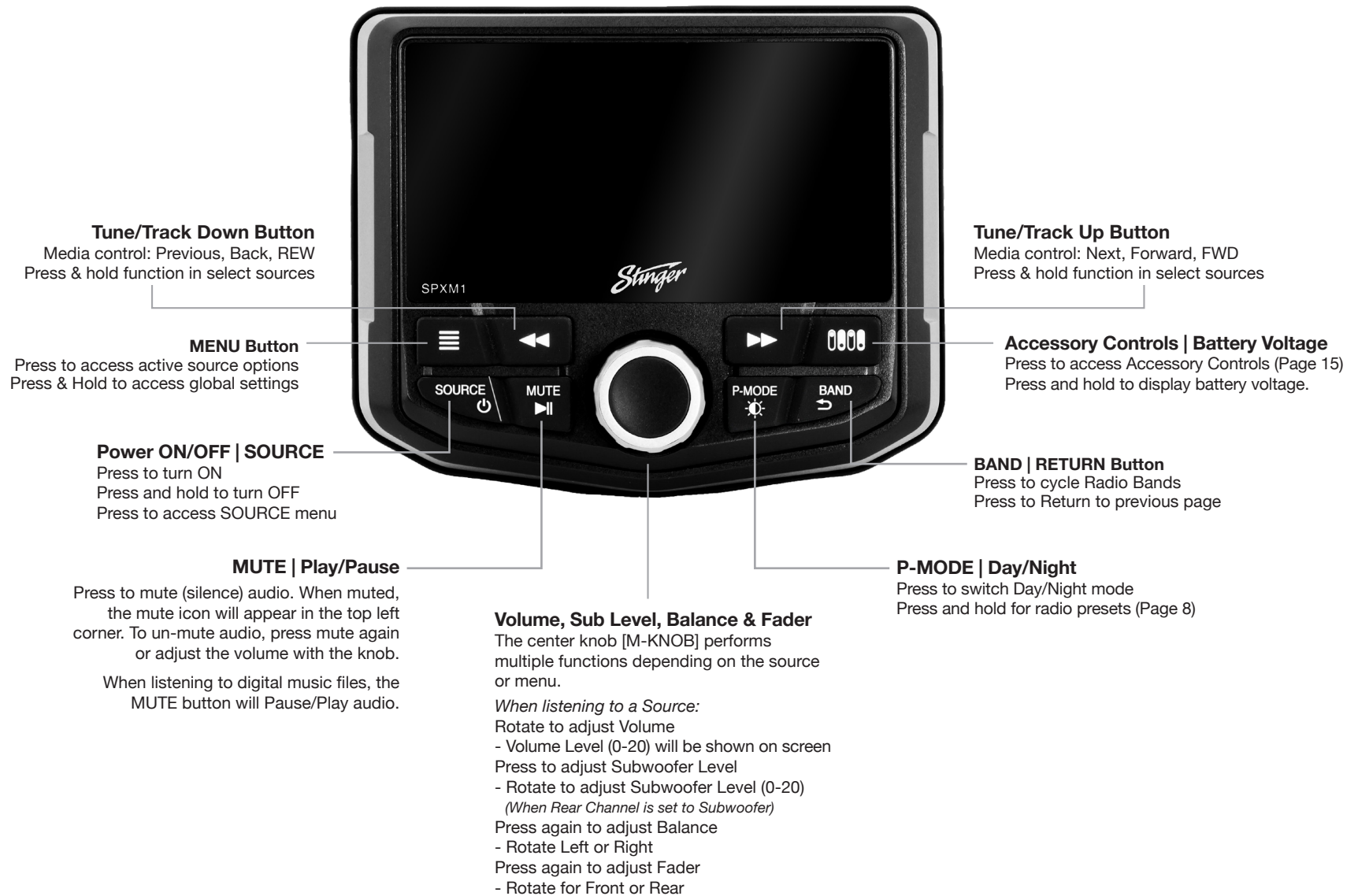
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## WELCOME TO YOUR NEW



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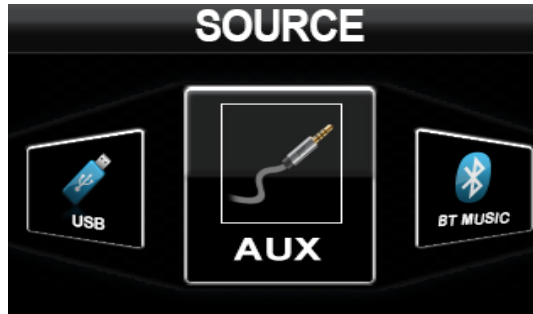
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## SELECTING A SOURCE

To select a Source

- ▶ Press the [SOURCE] button.
- ▶ Rotate the [M-KNOB] to cycle through available sources.
- ▶ Press the [M-KNOB] to select the highlighted source



Sources that are not currently available are not selectable. For example, if there is nothing plugged into the USB, then USB is not a selectable source.

## Source List

- RADIO
- USB
- AUX
- BLUETOOTH MUSIC
- CAMERA

## PAIRING A BLUETOOTH DEVICE

By default, the SPXM1 will be in Pairing Mode. With the device in Discoverable Mode:

- ▶ Open the Bluetooth Settings on the device
- ▶ Select STINGER from the device list

Once pairing is complete a confirmation message will appear on SPXM1



NOTE: If STINGER does not appear in the list of available devices, confirm bluetooth is turned on by pressing and holding the [MENU] button to access the global settings. ON should be highlighted orange under BT Pairing.

## Auto Connect

Once a device is paired, the SPXM1 will automatically connect to that device whenever it is powered on and the device is within range.

## NAVIGATING & CHANGING SETTINGS

There are 2 types settings, *source specific* and *global*. *Source specific* are settings pertaining to the active source and can be accessed by pressing the [MENU] button while on that source. For example, when listening to the radio, pressing the [MENU] button will access the *FM Settings* menu.

*Global Settings* are system settings that affect many sources and can be accessed on any source by Pressing and Holding the [MENU] button.

Light Blue Highlight Bar

Current Setting is Orange

Dark Blue Highlight

Press or Press & Hold the [MENU] button for SETTINGS

Rotate [M-KNOB] to scroll and highlight the desired setting.

Press [M-KNOB] to select setting.

Press the [BAND/BACK] button to exit.

Rotate [M-KNOB] to cycle between setting values.

Highlight the desired setting value and Press the [M-KNOB] to set. Value will turn orange.

NOTE: Double arrows (>>) indicates a sub-menu



## AM/FM/WB RADIO

Press the [SOURCE] button and select RADIO.

### Changing Radio Bands

Press the [BAND] button to cycle through radio bands and presets (FM1-FM2-FM3-AM1-AM2-WB)

### Tuning Radio Stations

- ▶ Press [◀◀/▶▶] buttons to Auto Seek available stations.
- ▶ Long Press [◀◀/▶▶] buttons to Manually Tune stations.

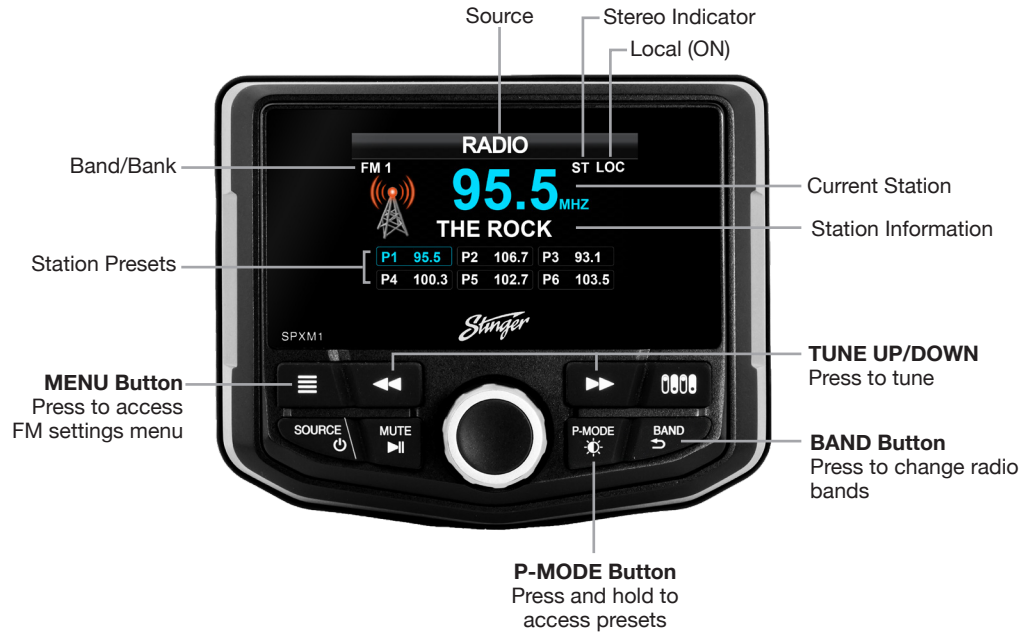
### Saving Presets

- ▶ Tune to the desired radio station to save as a preset.
- ▶ Press and Hold the [P-MODE] button for 3 seconds.
- ▶ Rotate [M-KNOB] and highlight desired preset position (P1-P6)
- ▶ Press and Hold [M-KNOB] for 3 seconds to save preset.

### Recalling Presets

- ▶ Press and Hold the [P-MODE] button for 3 seconds.
- ▶ Rotate [M-KNOB] to desired preset (P1-P6).
- ▶ Press the [M-KNOB] to select.

**NOTE!** Tuning, Saving and Recalling Presets functions are the the same for all radio bands (AM/FM/Weather Band).



### FM Settings Menu (See Page 7 for Navigating & Changing Settings)

While in Radio Source, press the [MENU] button.

**LOCAL [OFF/ON]**  
When set to ON, sets FM tuner sensitivity for LOCAL (close proximity) radio stations.

**AUTO STORE**  
Select to automatically set radio presets with available radio stations.

**FM SETTINGS**

LOCAL OFF ON

AUTO STORE >>

## USB Media Player



Insert a USB drive with media and press the [SOURCE] button and select USB.

If audio files are found they will automatically start playing.

### Play & Pause

- ▶ Press [PLAY/PAUSE] to start and stop playback.

### Next & Previous Tracks

- ▶ Press [▶▶] button to advance to the next track.
- ▶ Press [◀◀] button one time to go to the beginning of the current track.
- ▶ Press [◀◀] button two times to go to the previous track.

### Fast Forward & Rewind

- ▶ Press and hold [▶▶] button to fast forward current track.
- ▶ Press and hold [◀◀] button to rewind the current track.

**NOTE!** When connecting an iPod, playback controls and settings are the same. The Music SEARCH function will follow iPod's structure.

The diagram shows the Stinger SPXM1 USB Media Player with the following labels:

- Source:** Points to the 'USB' text on the screen.
- Current song number:** Points to '075/850' on the screen.
- Number of songs:** Points to '850' on the screen.
- Album/Song Artwork:** Points to the album art for 'Stinger'.
- Current Track Name, Artist, Album:** Points to 'Off-Road, On- Experience Pure Sound'.
- Time Bar:** Points to the progress bar showing '00:11' and '04:24'.
- TRACK UP/DOWN:** Points to the right arrow button with a track icon.
- BACK:** Points to the button with a curved arrow icon.
- MENU Button:** Points to the button with a list icon.
- PLAY/PAUSE:** Points to the central circular button.

**Playback Icons:**

- ▶ Play
- ⏸ Pause
- 🔄 Repeat ALL
- 🔀 Shuffle ALL
- 🎵 Repeat SONG
- 📁 Repeat FOLDER
- 🔀 Shuffle FOLDER

## USB Settings

While in USB Source, press the [MENU] button.

### Music SEARCH

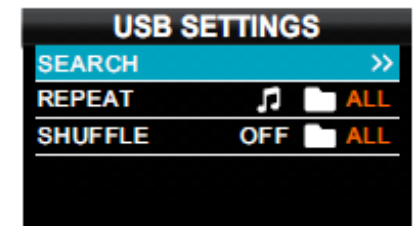
- ▶ Highlight SEARCH and press the [M-KNOB] to select.
- ▶ Rotate the [M-KNOB] to scroll through the available songs. Press the [M-KNOB] to select a song.
- ▶ Pressing the [BACK] button exits the current folder and a different folder can be highlighted and selected.

### REPEAT

- ▶ Highlight REPEAT and press the [M-KNOB] to select.
- ▶ Highlight [SONG-FOLDER-ALL] Press the [M-KNOB] to select.

### SHUFFLE

- ▶ Highlight SHUFFLE and press the [M-KNOB] to select.
- ▶ Highlight [OFF-FOLDER-ALL] Press the [M-KNOB] to select.



Press the [BACK] button to exit USB Settings

## Bluetooth Music



When a device is Paired, it will be selectable by pressing the [SOURCE] button and selecting BT Music.

If BT Music is not showing as an available source, see *PAIRING A BLUETOOTH DEVICE* on page 6.

### Play & Pause

- ▶ Press [PLAY/PAUSE] to start and stop playback.

### Next & Previous Tracks

- ▶ Press [▶▶] button to advance to the next track.
- ▶ Press [◀◀] button one time to go to the beginning of the current track.
- ▶ Press [◀◀] button two times to go to the previous track.

### Fast Forward & Rewind

- ▶ Press and hold [▶▶] button to fast forward current track.
- ▶ Press and hold [◀◀] button to rewind the current track.

**NOTE!** SEARCH, REPEAT and SHUFFLE are not available on all streaming services.



**Playback Icons**

- Play
- Pause
- Repeat ALL
- Shuffle ALL
- Repeat SONG
- Repeat FOLDER
- Shuffle FOLDER

## BT Music Settings

While in BT Music, press the [MENU] button.

### Music SEARCH

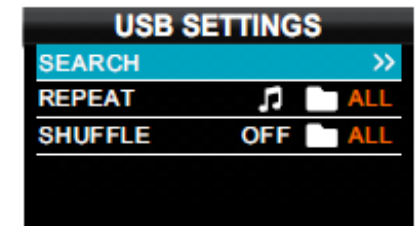
- ▶ Highlight SEARCH and press the [M-KNOB] to select.
- ▶ Rotate the [M-KNOB] to scroll through the available folders/songs. Press the [M-KNOB] to select.
- ▶ Pressing the [BACK] button exits the current folder and a different folder can be highlighted and selected.

### REPEAT

- ▶ Highlight REPEAT and press the [M-KNOB] to select.
- ▶ Highlight [SONG-FOLDER-ALL] Press the [M-KNOB] to select.

### SHUFFLE

- ▶ Highlight SHUFFLE and press the [M-KNOB] to select.
- ▶ Highlight [OFF-FOLDER-ALL] Press the [M-KNOB] to select.



Press the [BACK] button to exit BT Music Settings

## AUX Input



If a audio source is connected to the auxillary input (AUX), press the [SOURCE] button and select AUX.

Volume can be controlled through the device and with SPXM1 volume knob.

**NOTE!** The AUX source is selectable even if there is no device connected.

## Camera



The SPXM1's camera input can be activated by a trigger wire or accessed by selecting Camera as the source.

**NOTE!** The camera connected to the input must have power for the video signal to be displayed.

## Battery Voltage



Pressing and holding the Accessory Control button will display the current battery voltage.

**NOTE!** The SPXM1 will display a WARNING message when the battery voltage drops below 10.5 volts.



## Accessory Control (Switch Command)

The SPXM1 is capable of controlling up to 4 external devices when used in conjunction with the optional SwitchHUB (SPXSH440) four output solid state switcher.

To access the controls, press the Accessory Control button

- ▶ Rotate the [M-KNOB] to cycle through the four switch controls.
- ▶ Press the [M-KNOB] to toggle the highlighted switch ON/OFF.



Press to access Accessory Control

- ▶ Rotate to cycle through the four switch controls.
- ▶ Press to toggle the highlighted switch ON/OFF.



## Settings



Press & Hold the [MENU] button for 3 seconds to access SETTINGS  
(See page 7 for Navigating and Changing Settings)

### **SETTINGS > AUDIO**

#### **AUDIO > 7 BAND EQ**

EQ Presets: Flat / Rock / Classic / Acoustic / Dance / Electronic / Hip Hop  
Custom Preset: Adjust and save custom EQ preset using [M-KNOB]

#### **AUDIO > CROSSOVER**

Front / Rear  
High Pass Filter (HPF): OFF / 60 / 80 / 100 / 120Hz  
Slope: -6 / -12 / -24dB  
Sub-W  
Low Pass Filter (LPF): OFF / 60 / 80 / 100 / 120Hz  
Slope: -6 / -12 / -24dB

#### **AUDIO > REAR RCA**

REAR RCA channels are selectable between REAR or SUB  
Note: Selecting SUB and setting Sub-W CROSSOVER to OFF will allow "dual-zone" volume level control between Front and Rear channels.

#### **AUDIO > SOURCE GAIN**

Allows gain adjustment for individual sources  
Source: Radio / USB / Bluetooth / AUX  
Gain: -3 / -2 / -1 / 0 / 1 / 2 / 3dB

#### **AUDIO > INTERNAL AMP**

When using external amplifier(s), the internal amplifier can be set to OFF to reduce heat and power consumption.

### **SETTINGS > BT PAIRING**

Turns BT Pairing mode ON/OFF

### **SETTINGS > TUNER REGION**

Radio tuner can be set by region/country  
USA, Europe, Russia, Latin, Asia, Japan, Mideast, Australia

### **SETTINGS > SOFTWARE**

#### **SOFTWARE > VERSION**

Displays current software version

#### **SOFTWARE > UPDATE**

Select to update firmware  
Note: Updating firmware requires access to USB.

### **SETTINGS > THEME**

Allows adjustment of display color theme  
Day / Night / Auto

### **SETTINGS > RESET**

#### **RESET > AUDIO**

Resets all audio settings to factory default.

#### **RESET > SYSTEM**

Resets system hardware and software.



Use the [BAND/BACK] button to go back a level or to save a setting and exit.

## Specifications

### General

Operating Voltage: 10.5V - 16V  
 Fuse: 20 AMP  
 Display: 2.7 inch Color TFT  
 Backlit Water Resistant Panel (IPX-6)  
 Remote Control: Wired (Optional)

### Audio

Peak Power Output: 45W x 4  
 RMS Power Output: 25W x 4  
 Speaker Impedance: 4 ohm  
 RCA Outputs: 2 Pair(Front, Rear or Sub)  
 Preamp Voltage: 2 Volts  
 Frequency Response: 20-20kHz  
 Equalizer: 7 Band Graphic  
 Crossover: High Pass, Low Pass  
 Adjustable gain for each source

### Tuner

AM/FM/Weather Bands  
 Presets: 18 FM, 12 AM, 6 WB  
 Local/Distant Selectable  
 Auto Store  
 Motorola Antenna Input

### USB 2.0

Location: Rear  
 1 AMP Output  
 32GB Max  
 999 Songs Max  
 255 Folders Max  
 File Types: MP3/WMA/WAV/FLAC

### AUX Input

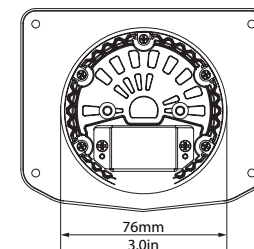
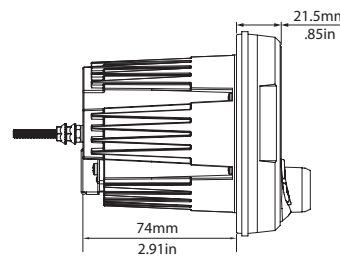
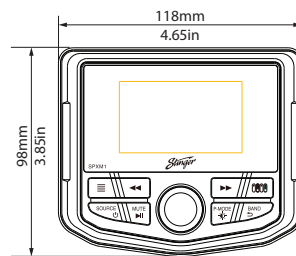
Location: Rear  
 Input Type: Stereo RCA

### Camera/Video Input

Location: Rear  
 Input Type: RCA  
 Video Format: PAL/NSTC  
 External & Internal Trigger

### Bluetooth

Version: 3.0+EDR, A2DP 1.3

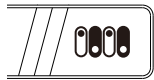


## Wiring Diagram

### ACCESSORY CONTROL WIRING

The SPXM1 has 4 switchable outputs/triggers (FIG. A) that can be used to control external accessories such as lighting, audio or any other 12V accessory, when used with the optional SPXSH440 SwitchHub.

SWITCH 1-4 wires are 12V+ outputs and can be activated individually by accessing the ACCESSORY CONTROL source.



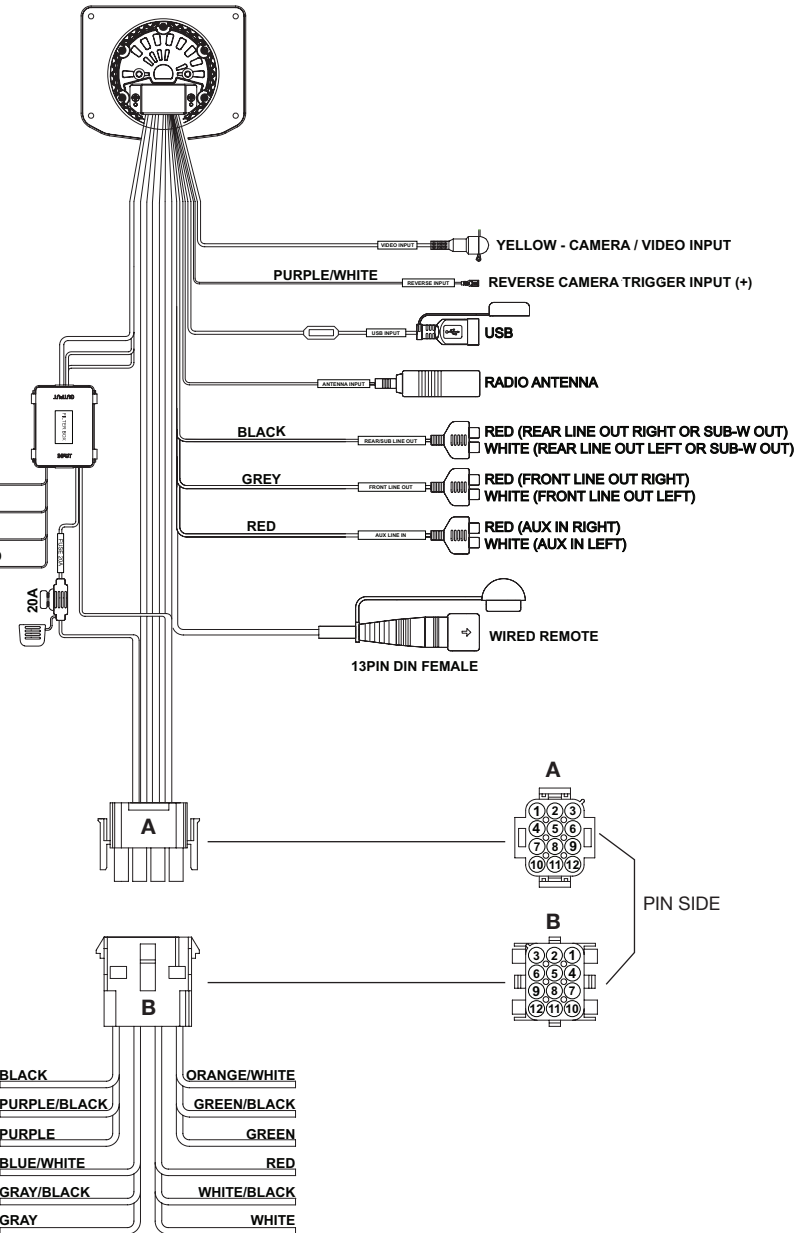
### WARNING!

Accessory control outputs are 100mA. Do not connect directly to any accessories or conventional relays. Failure to follow instructions may result in damage to equipment and void the device warranty.

PIN	WIRE COLOR	DESCRIPTION
1	GREEN	REAR LEFT SPEAKER +
2	GREEN/BLACK	REAR LEFT SPEAKER -
3	ORANGE/WHITE	ILLUMINATION +
4	WHITE	FRONT LEFT SPEAKER +
5	WHITE BLACK	FRONT LEFT SPEAKER -
6	RED	ACC 12V+
7	GRAY	FRONT RIGHT SPEAKER +
8	GRAY/BLACK	FRONT RIGHT SPEAKER -
9	BLUE/WHITE	REMOTE/AMP TURN ON
10	PURPLE	REAR RIGHT SPEAKER +
11	PURPLE/BLACK	REAR RIGHT SPEAKER -
12	BLACK	GROUND (-)

FIG. A

- SWITCH 1 (12V+) WHITE/RED
- SWITCH 2 (12V+) GRAY/RED
- SWITCH 3 (12V+) GREEN/RED
- SWITCH 4 (12V+) PURPLE/RED





# SPXM1

## FEATURES:

### ACCESSORY CONTROL:

- 4 CHANNEL EXTERNAL ACCESSORY CONTROL  
WITH OPTIONAL SPXSH440 (SOLD SEPARATELY)

### GENERAL FEATURES:

- 2.7" COLOR DISPLAY
- BUILT-IN BLUETOOTH FOR MUSIC STREAMING
- CAMERA INPUT W/ EXTERNAL TRIGGER
- WATER RESISTANT FRONT PANEL  
(IPX-6 RATING) BACKLIT LED BUTTONS
- TWO-PIECE MOUNTING SYSTEM TO SECURE  
PANEL TO MOUNTING SURFACE
- BUILT-IN 25 WATTS X 4 POWER AMPLIFIER (45W PEAK X 4)
- PLAYS MP3/WMA/WAV FILES
- REAR AUX INPUT
- 4-CHANNEL PREAMP OUTPUTS  
(2-VOLT FRONT AND SELECTABLE REAR/SUB)
- EASY SUBWOOFER CONTROL
- 7-BAND GRAPHIC EQUALIZER WITH  
(8) MUSIC GENRE PRESETS
- SELECTABLE HIGH-PASS AND LOW-PASS CROSSOVERS
- ADJUSTABLE INPUT GAIN FOR EACH SOURCE

### MARINE SPECIALTY FEATURES:

- WIRED MARINE REMOTE COMPATIBLE (SOLD SEPARATELY)
- VOLTAGE GAUGE WITH LOW VOLTAGE ALERT