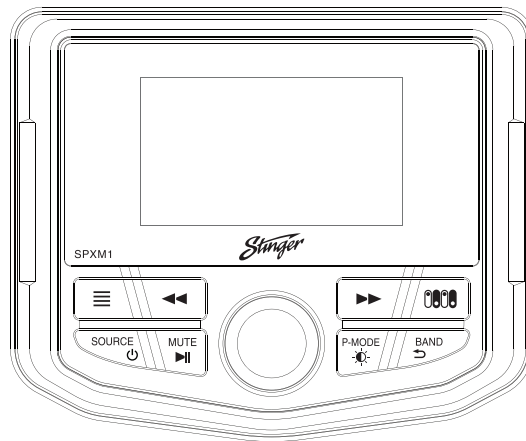




SPXM1

Marine Digital Media Receiver



Installation Guide

FCC ID: XBD-SPXM1

IC:10801A-SPXM1N

Be sure to read this installation manual thoroughly before carrying out installation and making connections. Installation of this product requires technical skill and experience. It is recommended to have it professionally installed by an authorized Stinger or Phoenix Gold Dealer.

Visit StingerElectronics.com for
User Guide | Updates | Tech Tips



PRECAUTIONS

Disconnect the vehicle's negative battery cable before making any wire connections.

Protect all vehicle surfaces with tape or plastic.

Do not install components in any location that will hinder vehicle operation, such as steering wheel, gearshift, air bags, hazard switch.

Bundle cables and harnesses with electrical tape or wire ties to prevent them from interfering with moving parts.

Never attempt to disassemble or modify the product. Otherwise, an accident, fire or electric shock may result.

Exposed wires must be insulated with electrical tape. Otherwise, a short circuit, fire, or electric shock may result.

To prevent damage to the vehicle, confirm the locations of hoses, electrical wiring, and the fuel tank prior to drilling holes to install this product.

When it is necessary to replace the fuse, always use a fuse of the correct rating (number of amperes). Use of fuses with higher amperage ratings may cause a fire.



Stinger is a Power Brand of AAMP Global
15500 Lightwave Drive, Suite 202
Clearwater, Florida 33760

CUSTOMER SOLUTIONS:

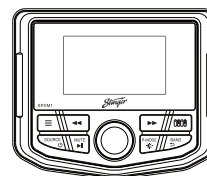
800-477-2267
Mon-Fri 9AM-8PM EST
customersolutions@aampglobal.com

TECHNICAL SUPPORT:

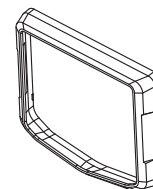
727-592-5991
Mon-Fri 9AM-8PM EST
Sat 9AM-7PM EST
support@aampglobal.com

AGREEMENT: End user agrees to use this product in compliance with the instructions and terms of use and with all State and Federal laws. STINGER provides instructions and safety warnings with respect to this product and disclaims all liability for any use not in conjunction with those instructions or other misuse of its product. If you do not agree, please discontinue use and contact STINGER. This product is intended for off-road use and passenger use only.

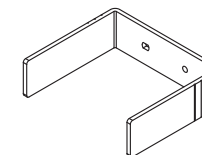
Parts List



SOURCE UNIT



TRIM PLATE



MOUNTING BRACKET



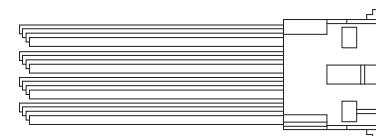
3.5 X 25
MOUNTING SCREW (4)



M4 X 35
THREADED STUD (2)



M4
FLANGE NUTS (8)



POWER / SPEAKER WIRE HARNESS

Recommended Tools

Multimeter
Wire Strippers
Wire Cutters
Drill / Drill Bits
Phillips Screwdriver
Wire Crimpers

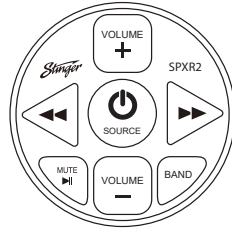
Cutting Tool / 3" Hole Saw
8mm Wrench (Flange Nuts)
Battery Terminal Wrench
Soldering Iron
Heat Gun

Optional Accessories

SPXR2

Wired Marine Remote

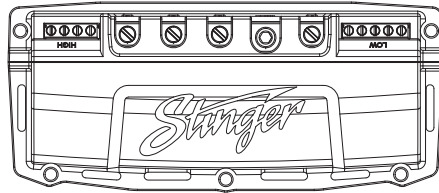
Control the SPXM1 from the swim deck or seating area.



SPXSH440

Solid State Power Bank

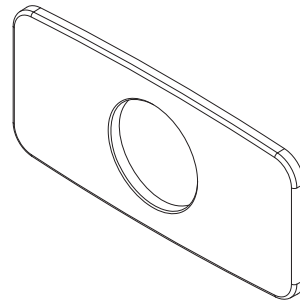
Control external accessories such as lighting, audio or any other 12V accessory right from the SPXM1 using the SPXSH440.



SEADASH3

Universal Marine 3" Radio Kit

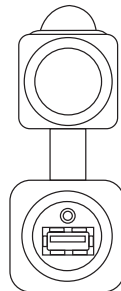
Plastic bezel plate makes updating a single DIN to 3" gauge style head unit easy-peasy. Available in Black and White.



SMRAUXUSB3

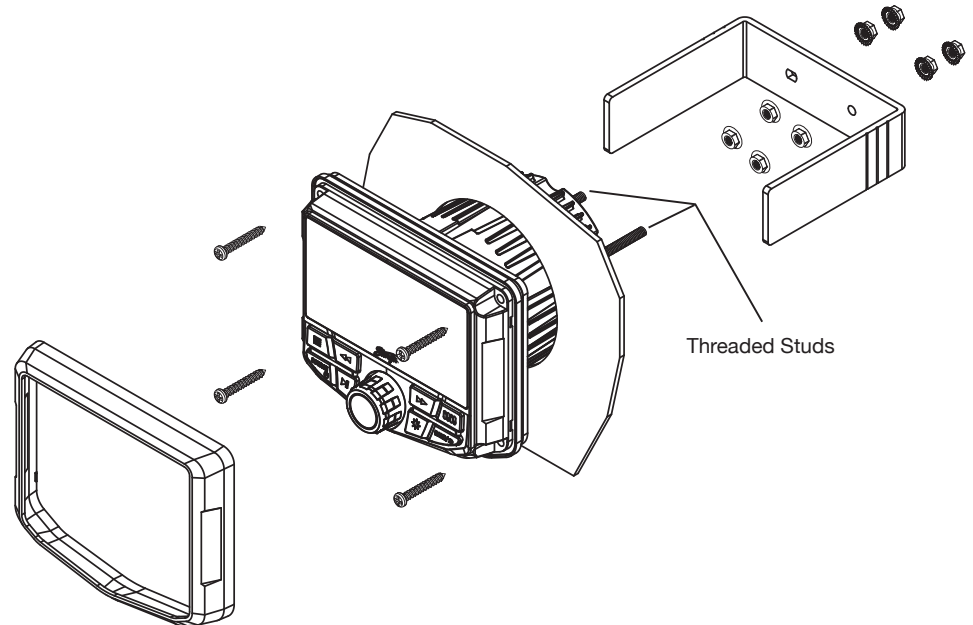
Marine USB & AUX Input

Molded connectors with machined, nickel-plated, brass contacts offer superior connection integrity, signal transfer and maximum corrosion resistance.



Mounting Options

- The SPXM1 can be mounted using the Mounting Bracket or Mounting Screws.
- When possible, it is recommended to use both the U Bracket AND Mounting Screws.
- The mounting hole is 3" diameter. A 3" hole saw is recommended.
- Mount on flat surface. Check for obstructions behind mounting location before cutting.
- Ensure there is adequate space for the radio chassis and wire harness behind mounting surface.
- When using the U Bracket and plastic dash kit, do not overtighten, as it may cause discoloration of the dash kit on the front face.



Using The Mounting Bracket

Insert and tighten threaded studs into back of radio. Insert harness and chassis through mounting hole. Slide U Bracket onto both studs. Use supplied nuts to adjust and tighten bracket.

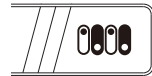
Wiring & Connections

- Solder and heat shrink or waterproof butt connectors are recommended for all wire connections
- RCA, USB and Antenna connections should be secured with heat shrink
- The SPXM1 uses EEPROM memory, so there is no (Yellow) wire connected to the battery
- The Red (ACC 12V+) wire should be connected to switched power, not directly to battery
- The Camera/Video Input can be triggered with the Purple/White wire or selected as a Source

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 Power Bank System.

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

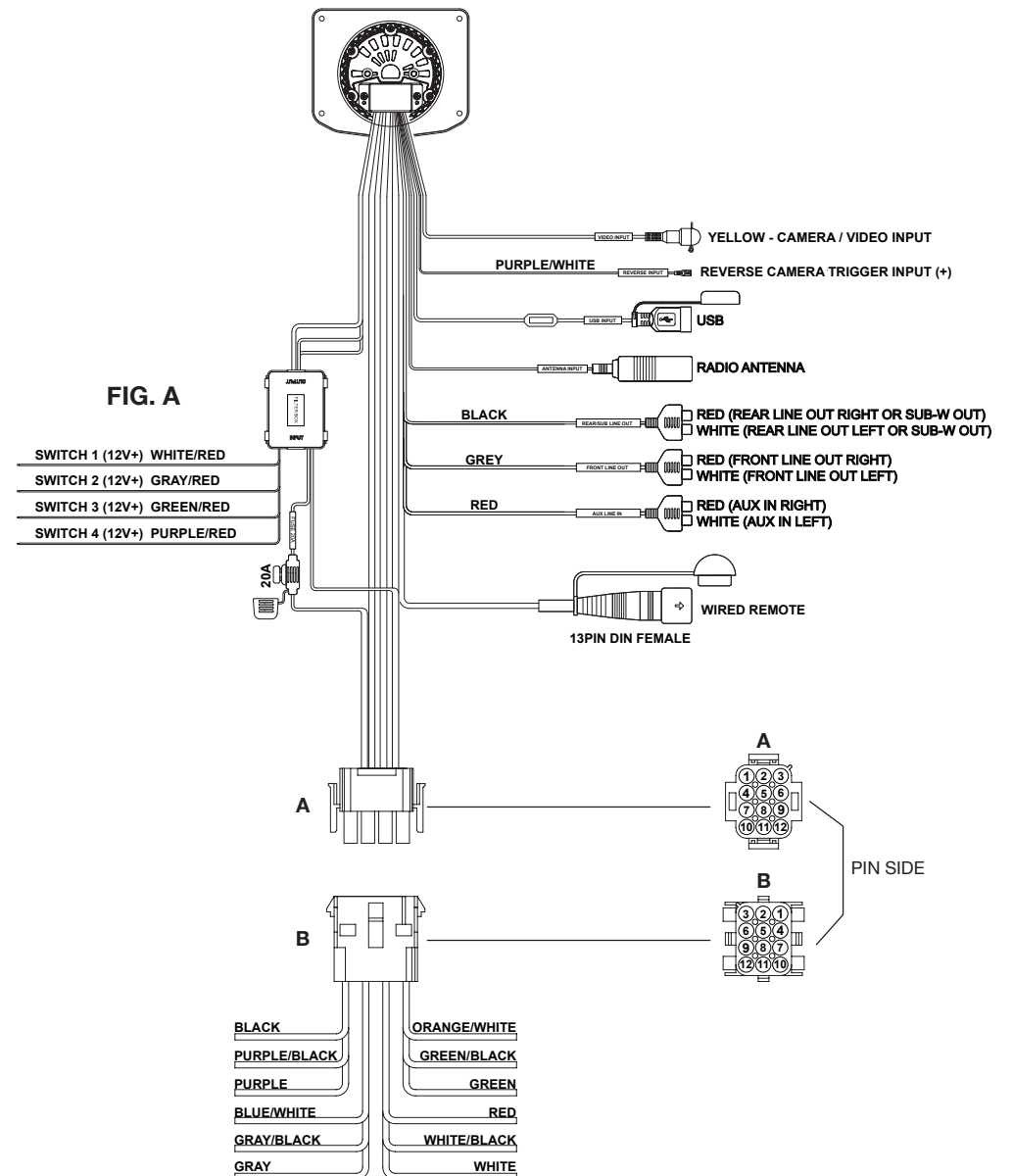


WARNING!

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 -

Wiring & Connections



Specifications

General

Operating Voltage:
Max Current:
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

AUX Input

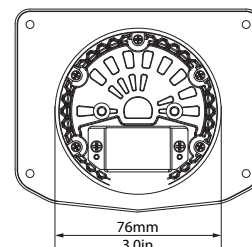
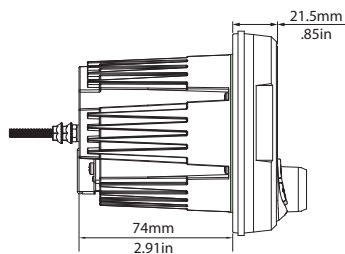
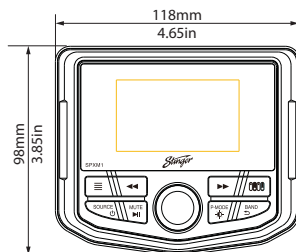
Location: Rear
Input Type: Stereo RCA

Camera/Video Input

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

Bluetooth

Version: 3.0+EDR, A2DP 1.3



FCC statements:

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 manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications or changes to this equipment. Such modifications or changes 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.

The device has been evaluated to meet general RF exposure requirement, The device can be used in portable exposure condition without restriction. Federal Communication Commission (FCC) Radiation Exposure Statement Power is so low that no RF exposure calculation is needed.

IC statements:

RSS - Gen & RSS - 247 statement:

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence.

L'exploitation est autorisée aux deux conditions suivantes :

- (1) l'appareil ne doit pas produire de brouillage, et
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Attention : exposition au rayonnement de radiofréquences
Cet équipement est conforme aux limites d'exposition aux

radiofréquences IC fixées pour un environnement non contrôlé et aux Lignes directrices relatives à l'exposition aux radiofréquences (RF).

Co - location

Ce transmetteur ne peut pas être installé en colocation ou être utilisé avec une autre antenne ou transmetteur, quel qu'en soit le type.

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.)