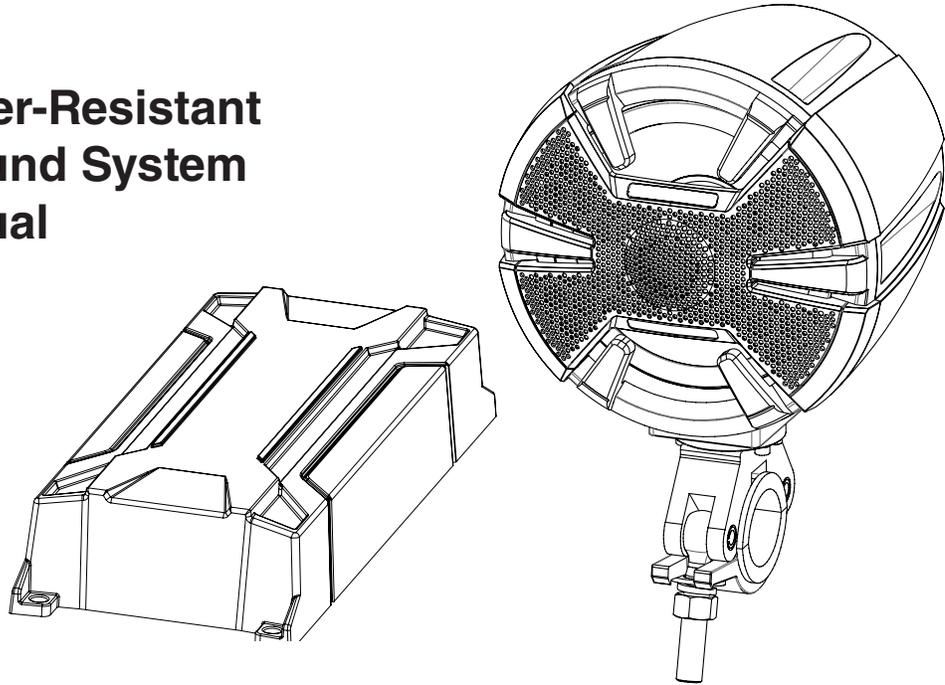# PSS-SX01
## Complete Weather-Resistant Powersports Sound System Installation Manual

## Introduction

● Congratulations on purchasing the PSS-SX01. This installation manual is designed to give you an overview of how to install the PSS-SX01. Please familiarize yourself with the owners manual before attempting the installation. If you still have additional questions please call 1-800-TECH-101.

## Note

● Design and specifications are subject to change without notice for improvement.

## To Ensure Safe Use, Always Follow These Precautions

● The installation of this product requires specialized skills and experience. We recommend that you have the product installed by an Alpine authorized dealer.
● Before you use this product, be sure to carefully read this installation manual and the separate user's manual so that you can use the product correctly. Alpine Electronics bears no responsibility for problems that arise as a result of failure to follow the instructions in the manuals.
● This manual includes a number of symbols that are intended to help you use the product safely, to prevent harm to you and others, and to protect against damage to property. These symbols and their meanings are listed below. Make sure you fully understand these symbols before you begin reading the main text.

**Explanations of Injury and Damage That May Result from Incorrect Use**

| ⚠ Warning | Ignoring the content marked by this indication and using the product incorrectly is expected to lead to death or serious injury. |
|---|---|
| ⚠ Caution | Ignoring the content marked by this indication and using the product incorrectly is only expected to lead to injury or property damage. |

## Types of Precautions

| | |
| --- | --- |
| ⊘ **Forbidden** | Indicates actions that are forbidden (must not be performed) |
| ⊘ **Forbidden** | Indicates that disassembly is forbidden. |
| ❗ **Mandatory** | Indicates actions that are mandatory (must be performed) |
| ⚠ | Marks content that should receive your full attention. |

### ⚠ Warning

Do not disassemble or modify the product. Doing so could lead to an accident, fire, or electric shock.　**Forbidden**

Store screws and other small objects where children cannot reach them. If one of those small objects is swallowed, consult with a doctor immediately.　⚠

When replacing fuses be sure to use the fuses with the specified current rating. Failing to do so could lead to an accident or fire.　**Mandatory Forbidden**

Only connect the product to a 12 VDC negative ground car. Failing to do so could lead to an accident or fire.　**Mandatory**

Do not cut the insulation on a cord and take power from another device. Doing so could lead to fire or electric shock.　**Forbidden**

Do not install the product in a location where it willl obstruct the driver's forward view; interfere with the operation of the steering wheel, gear shift, or the like; or pose a threat to passengers. Doing so could lead to an accident or injury.　**Forbidden**

When making a hole in the vehicle body, be careful to avoid damaging pipes, the fuel tank, electrical wiring, and the like. This kind of damage could lead to an accident or fire.　⚠

When installing and grounding the product, do not use any of the bolts or nuts of the steering wheel, brakes, fuel tank, or the like. Doing so could make the brakes stop working or could lead to fire.　**Forbidden**

Do not install the product near the passenger-side airbag. Doing so could interfere with the operation of the airbag and lead to an accident or injury.　**Forbidden**

Bundle cords so that they don't interfere with driving. Wrapping cords around the steering wheel, gearshift, brake pedal, or the like could lead to an accident or damage equipment.　⚠

### ⚠ Caution

Connect the product properly according to the instructions. Failing to do so could lead to fire or an accident.　**Forbidden**

Do not sandwich cords between the seat railing or allow them to touch protrusions. Resulting breaks or shorts could lead to electric shock or fire.　⚠
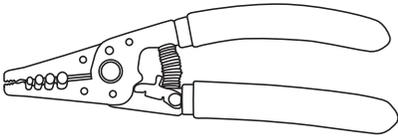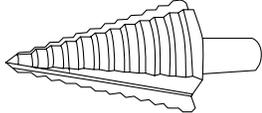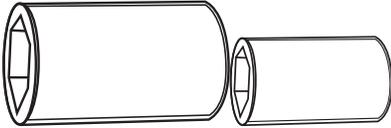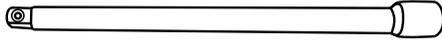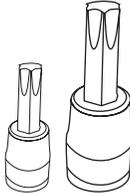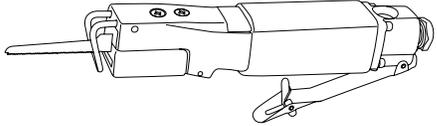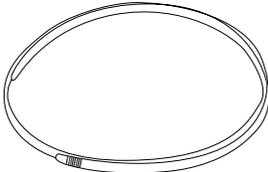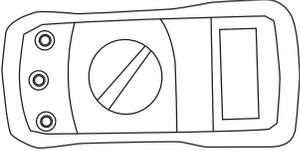
Do not block vents or heat sinks. Doing so could lead to fire or damage equipment.　⚠

Use the accessories according to the instructions, and attach them securely. Failing to do so could lead to an accident or damage equipment.　**Forbidden**
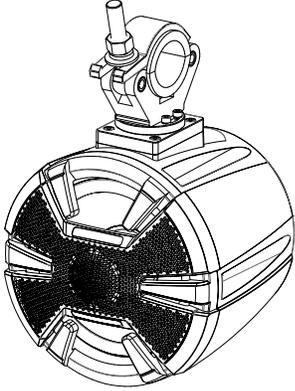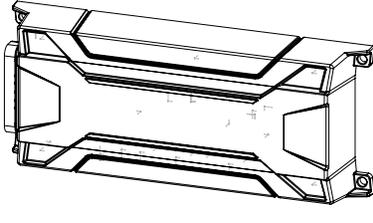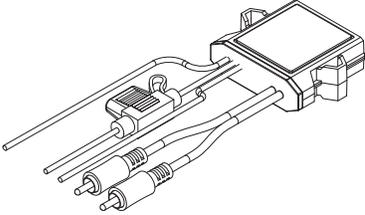
Do not install the product where it may be exposed to water or in a place with high levels of humidity or dust. Doing so could lead to fire or damage equipment.　**Forbidden**

The installation and wiring of this product requires specialized skills and experience. Have the product installed by an Alpine authorized dealer.　⚠

## Tools Potentially Needed

| Wire Strippers | Wire Cutters | Step Drill Bit |
|---|---|---|
| | | |
| **Socket Set With 19mm Socket** | **Extension** | **Ratchet** |
| | | |
| **Phillips Screwdriver** | **Torx Bits** | **Air Saw** |
| | | |
| **Panel Removal Tools** | **Wire Fishing Tool** | **Cordless Power Drill** |
| | | |
| **Digital Multimeter** | **Flathead Screwdriver** | |
| | | |
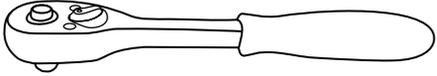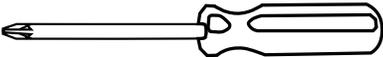
## Accessory List

| SPV-65-SXS Pod With Speaker x 2 | KTA-30FW 4-Channel Amplifier | KTX-BT100 Bluetooth Adapter |
|---|---|---|
| | | |
| **90 Degree Speaker Terminal** | **Front Logo Badge x 2** | **Rear Logo Badge x 2** |
| | | |
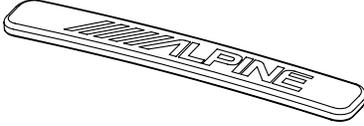
## Mounting The Speaker Pod Exploded View
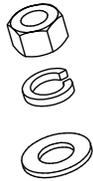
Remove 19mm bolt with socket or wrench. This will allow the clamp to slide back.

Make sure the lock washer and washer go below the bolt in this order when tightening.
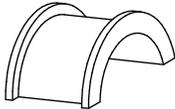
Use the spacer for tubing that is 1.5" to 1.75". Do not use spacer if you have 2" tubing.
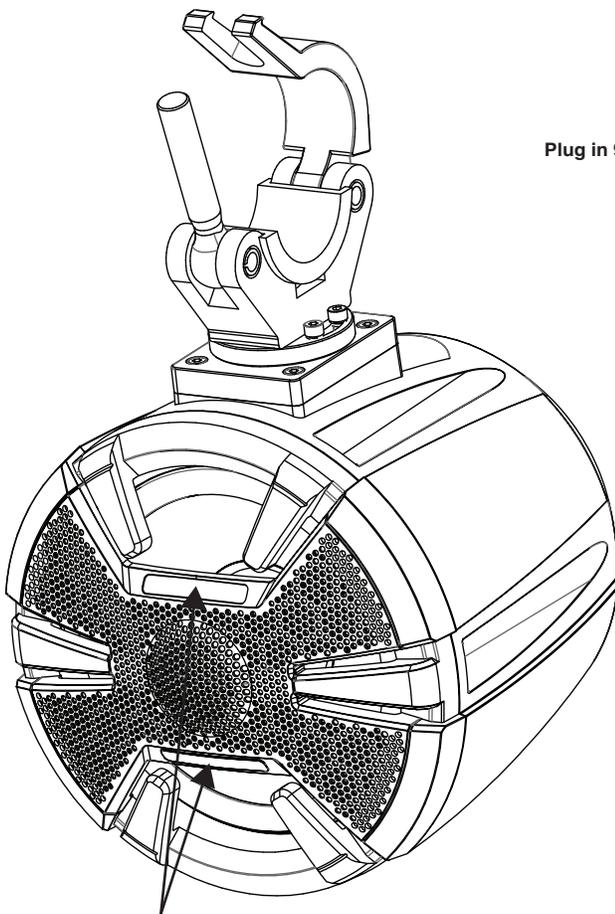
Plug in 90 degree speaker terminal here.

/////ALPINE
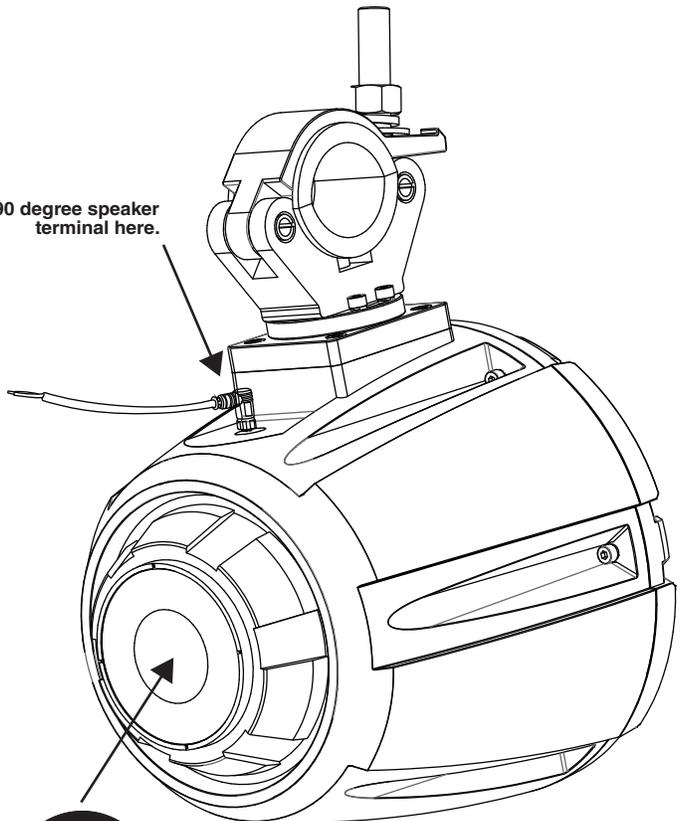
Attach the rear logo based on the orientation the pod is mounted.

/////ALPINE

/////ALPINE

Attach the (2) front logo's based on the orientation the pod is mounted.

## Bluetooth Module Connections

**KTA-30FW**
**Note: For all of the information for the KTA-30FW refer to the owners manual of that product.**

**KTX-BT100**

26

14

13

1

Front Left RCA Input
White/Black (-)

Front Left RCA Input
White (+)

Front Right RCA Input
Grey/Black (-)

Front Right RCA Input
Grey (+)

+12V Constant Leads
Red x 2 (+)

Ground Leads
Black x 2 (-)

Blue-White (+)
Remote Input To Amplifier

Black

Red

Blue/White (Remote Output)

To
Chassis
Ground

To
+12V
Switched
Ignition

Connect Remote Output
To Remote Input

To front right Red RCA input
(Gray Sleeve)

To front left White RCA input
(Gray Sleeve)

## Bridging The Amplifier

**KTA-30FW**

26 | 14

13 | 1

Rear Right Speaker Output
Purple (+) ———— To Right White (+)

Front Right Speaker Output
Grey/Black (-) ———— To Right Black (-)

Rear Left Speaker Output
Green/Black (-) ———— To Left Black (-)

Front Left Speaker Output
White (+) ———— To Left White (+)

**To Right Pod
Speaker Terminal**

**To Left Pod
Speaker Terminal**

**Recommended Amplifier Settings**

**INPUT**

RCA  SPK     2CH  4CH

**CH1/2**

NOM
MIN      MAX
**GAIN**

**FILTER**
OFF  HP  LP

60  80  120
50  (Hz) 400
**FREQ**

**CH3/4**

NOM
MIN      MAX
**GAIN**

**FILTER**
OFF  HP  LP

60  80  120
50  (Hz) 400
**FREQ**
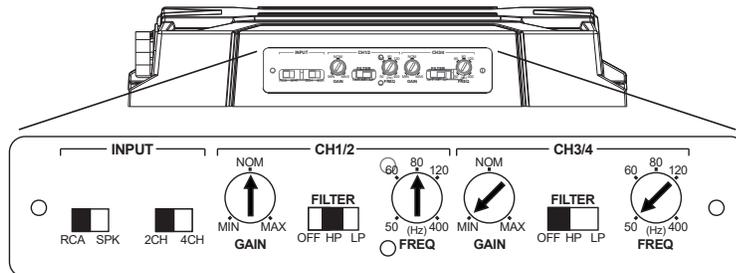
## How To Pair Phone

1  Open the settings menu of the phone.
2  Go to the Bluetooth settings and make sure it's turned on.
3  Scan for devices.
4  The phone will find KTX-BT100.
5  Select KTX-BT100 on the phone to pair to it.

## Specifications

| | |
|---|---|
| Continuous Power Handling (RMS) | 90W |
| Woofer Size | 6-1/2" |
| Nominal Impedance | 4 Ohms |
| Frequency Response | 50-22kHz |
| Voice Coil Resistance (Re) | 3.6 Ohms |
| Free Air Resonance (Fs) | 49 Hz |
| Efficiency | 87.8 dB @ 1W / 1m |
| Electrical "Q" (Qes) | .61 |
| Mechanical "Q" (Qms) | 11.19 |
| Total Speaker "Q" (Qts) | .57 |
| Equivalent Compliance (Vas) | 20.17 Liters |
| Moving Mass (Mms) | 14.22 |
| Mechanical Compliance (Cms) | 735.84 mm/N |
| Magnetic Strength (BL) | 5.13 T-m |
| Effective Piston Area (Sd) | 21.5 sq in |
| One Way Linear Excursion (Xmax) | 4.9mm |
| IP Rating | IP55 |

# Dimensions

214.5mm
8-7/16"

310.6mm
12-15/64"

203mm
7-63/64"

36mm
1-27/64"

55.5mm
2-3/16"
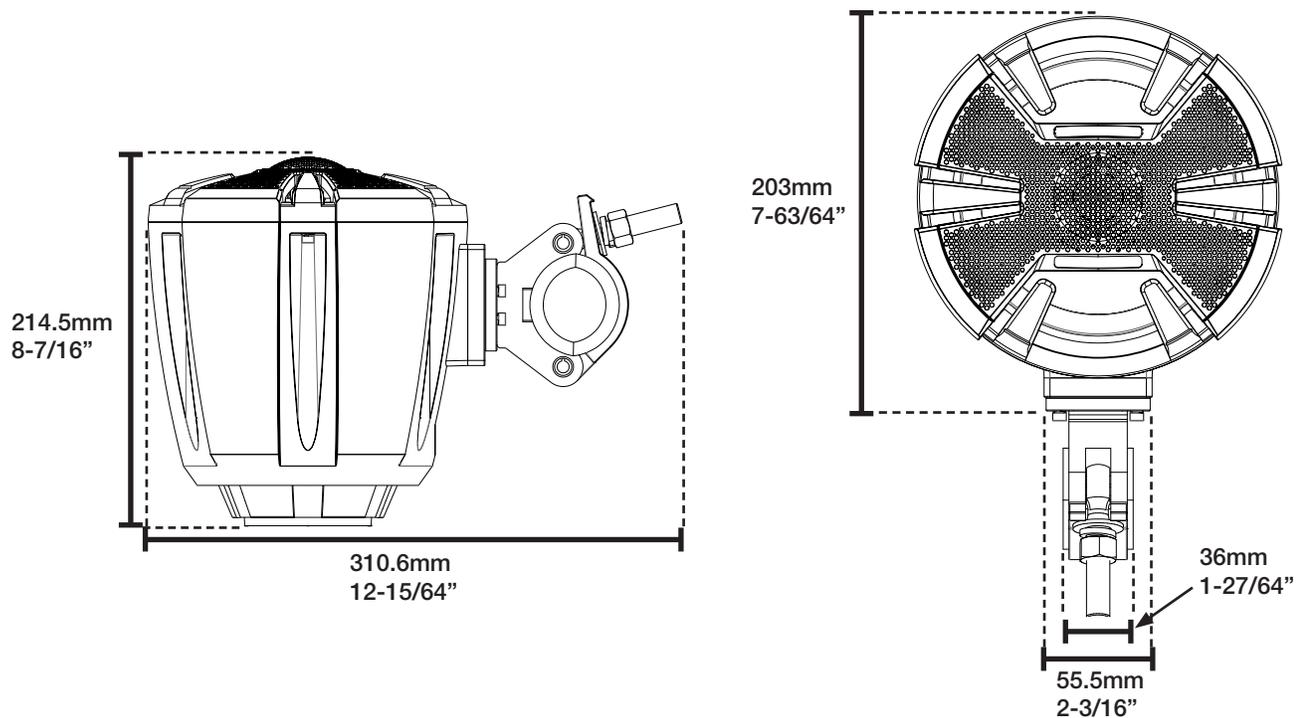
# Troubleshooting Guide

| | Symptom | Possible Cause | Remedy |
|---|---|---|---|
| 1 | System will not turn on. | Missing or blown fuse at the battery. | Insert or replace fuse. |
| | | Amp's Remote Turn-On wire may be disconnected. | Use a digital multimeter on the Blue/White remote wire to ensure it gets +12V positive when the audio system is on. If not trace the wire and correct the connection. |
| | | Amp +12V constant wire not getting voltage. | Test the Yellow +12V constant wire with a digital multimeter to ensure it is getting +12V at all times. Trace the wire to the fused battery source. |
| 2 | Output is low. | Amplifier gain is not adjusted properly. | Adjust the gain to where it should be according to your specific system setup. |
| | | Signal input to the amp is not good. | Use a known good RCA input into the amplifier to see if that works. |
| 3 | One of the speakers is not working. | Disconnected pin or loose connection. | Check all connections to the speaker, loose pins, disconnected terminals etc.. Swap around the speakers for the working one to see if that works. |
| | | Amp channel not installed properly. | Swap the left and right RCA's to see if the other side works. If so the installation of the other amp channel needs to be gone over. |