

SPECIFICATIONS

AUDIO SECTION

Power supply voltage (negative ground)	12V DC (10V-18V)
Standby Current	25mA
Max Current Consumption	7.5A
Speaker impedance	4-8 Ohms per channel

POWER OUTPUT

Continuous Output into 4Ω, 20 to 20,000 Hz at 10 % THD	2 x 20Watts
Maximum Power Output (Volume control Maximum).....	50W×2 (at 1kHz)

FM TUNER

Range	(USA) 87.5 – 107.9 MHz (EUR) 87.50 – 108.00 MHz
Usable Sensitivity (S/N = 30dB).....	7.34dBf.(0.6uV/75ohms)
Signal to noise ratio	58dB (Mono)
Stereo separation (@ 1K Hz)	42dB

AM TUNER

Range	(USA)530 – 1,710 kHz (EUR) 522 – 1,620 kHz
Usable Sensitivity (S/N = 20dB).....	23dBuV (14.4uV)
Signal to noise ratio (LEVEL60dbuV).....	60 dB

WEATHER BAND TUNER

Range	162.400 –162.550MHz
Usable Sensitivity (S/N = 20dB).....	0.7uV(-9dBuV)
Signal to noise ratio (LEVEL40dbuV).....	42dB

AUXILIARY INPUT SPECIFICATIONS

Input Voltage Maximum Voltage.....	2.0V
Input impedance.....	10KΩ

DIMENSIONS

Chassis (W x H x D)	178 x 50 x 72 mm
Nosepiece (W x H x D)	188 x 58 x 13mm
Weight	15.8oz

**Due to continuous product improvement, specifications and design are subject to change without notice.*



Radio Engineering Industries, Inc.

www.radioeng.com

Rev A Date: 4-17-12



Heavy Duty Compact AM/FM Stereo Weather Band Radio w/Front-Panel Auxiliary Input



Installation/ Operation Manual

50W x 2

ST-1000

Thank you for purchasing the ST-1000 AM/FM Weather Band Receiver from REI. This product is designed and tested to withstand temperature and vibration extremes. Please read the owner's manual carefully before attempting to install this unit.

If you have an installation question or need installation assistance, please call the:

SERVICE HOT LINE
1-877-726-4617 Toll Free USA & CANADA
1-402-339-2200

IF ADDITIONAL INSTALLATION COMPONENTS ARE NECESSARY, CONTACT YOUR REI

SALES REP FOR:

** OEM /FACTORY WIRING HARNESS ADAPTERS

** ANTENNAS & ANTENNA ADAPTERS

** SPEAKERS & GRILLS

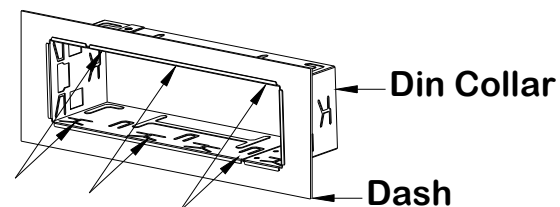
Radio Engineering Industries, Inc.
6534 "L" Street
Omaha, Nebraska 68117
www.radioeng.com

FEATURES:

Non-volatile memory back-up
NOAA® Weather Band Receiver
AM/FM Stereo Receiver
Small Compact Chassis
Digital Tune and Seek
Preset Up to 30 Radio Stations (18 FM, 12 AM, 7 WB)
Front Aux Input (3.5mm Stereo jack)
Volume Select Knob
Electronic Bass, Treble, & Balance control
LED Backlighting
Output Power 50W x 2

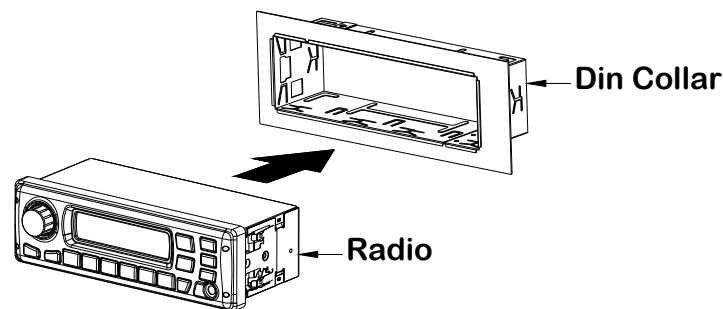
INSTALLING THE RADIO

1. Place the DIN collar into the dash opening. Bend the tabs outward as shown on the drawing below to lock into place.

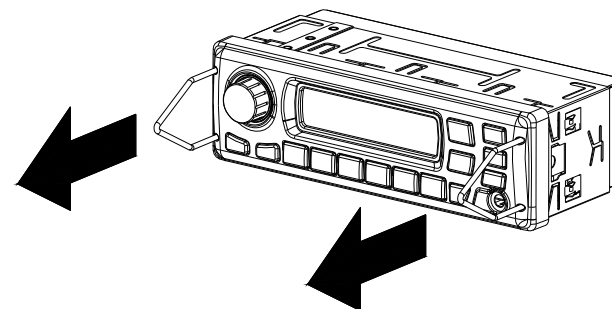


**Bend tabs both top
and bottom of Din Collar
to secure**

2. Connect to the radio's harness and antenna jack. Verify clearance; then gently insert the radio into the DIN Collar until both sides lock.



3. To remove the radio, insert the two release keys on either sides of the radio and pull the radio out.



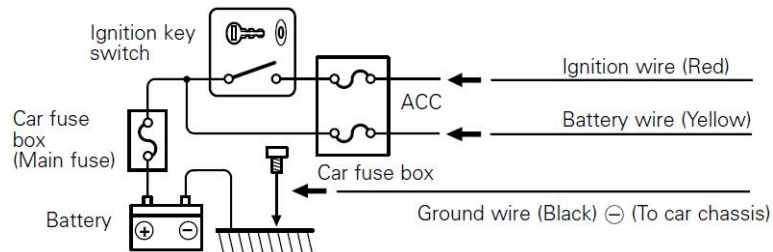
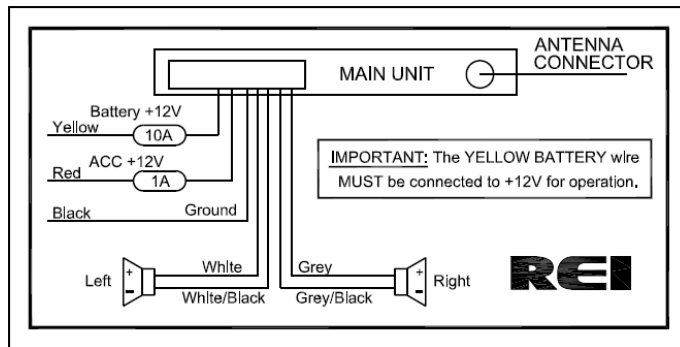
ELECTRICAL CONNECTIONS

Follow this easy wiring diagram when installing Radio and Speakers.

Warning:

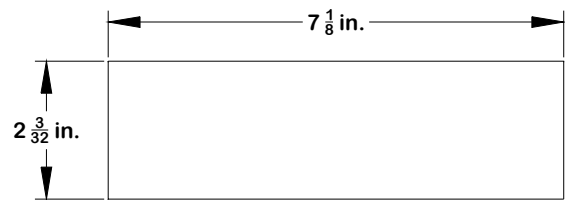
*This radio is designed for 12V DC Negative Ground Systems Only.

**Shorting or grounding any of the speaker wires can damage the radio and is not covered by warranty.



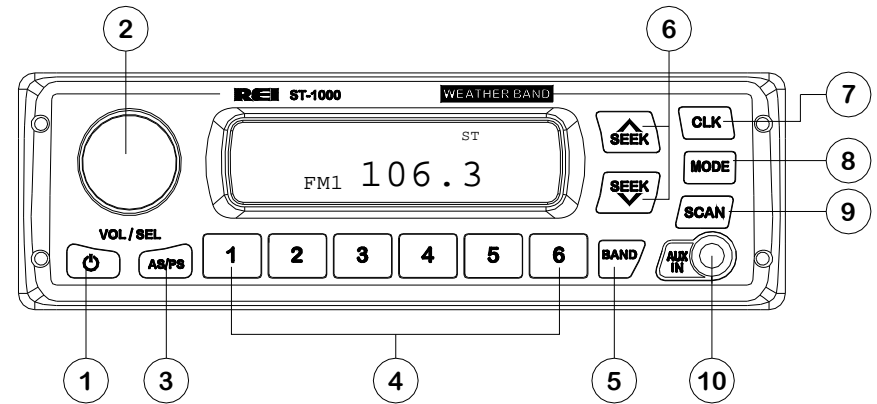
REQUIRED RADIO DIMENSIONS

Verify the radio will fit by following the suggested dimensions below.



Dash Opening Dimensions

CONTROLS AND INDICATORS



Panel Function

1. Power On/Off Button
2. Volume/Select Knob
3. Auto Store / Preset Scan Button
4. Preset Memory/Recall and Weather Band Select Buttons
5. Band Select Button
6. Radio Station Tune/Seek Buttons
7. Clock Button
8. Mode Button
9. Radio Scan Button
10. Front Auxiliary Input Jack

OPERATION

- 1) Power On/Off Button
Press the Power Button to turn ON or OFF the unit.
Note: Radio can also be powered on by pressing any front button.
- 2) Volume/Select Knob
Rotate the knob left or right to change the volume level.
Press the knob to select one of the following functions:
VOL---BASS---TREB---BAL
Upon choosing the function, rotate the knob to adjust the desired setting.
PLEASE NOTE: If the Volume/Select Knob has not been adjusted for 5 seconds it will automatically revert back to volume function.
- 3) Auto Store / Preset Scan Button
Press and hold this button for 2 seconds to auto program available stations into the preset memory buttons. This function will erase previous memorized stations and store the newly searched stations. Once completed, the radio will scan for 5 seconds through each of the preset stations of either the AM or FM band and stop.

Press this button momentarily to scan preset stations.
- 4) Preset Memory/Recall Buttons
Press these buttons momentarily to select the preset stations.
Press and holding a button will preset the current station to the button being pressed.
****Preset buttons are Pre-assigned Frequencies in Weather Band Mode.**
- 5) Band Selector Button
Press this button to change radio bands as follows:
FM1—FM2—FM3—AM1—AM2 —WB1
- 6) Tune /Seek Buttons
Under Radio mode, press the desired button momentarily to manually tune a station moving upward or downward. Press and hold a button and the radio will automatically seek the next available radio station. These buttons also function as Weather Band Channel 7 (162.550 MHz) access. Under weather band mode, pressing these buttons will select weather band channels 1-7.
- 7) Clock Button
Press this button to change between Clock and Mode Information display.

Setting the Time:
Press this button momentarily to display the time. Next, press and hold this button until the hour display begins to flash. Rotate Volume/Select Knob to adjust the hour. Press the CLK button again, and the minute display will flash. Rotate Volume/Select Knob to adjust the minute. Press the button CLK again to save the time on the LCD.

- 8) Mode Button
Press this button to navigate between modes AUX —TUNER.
- 9) Scan Button
Press this button to automatically preview radios station for 5 seconds.
- 10) Auxiliary Input Jack
The unit is equipped with a front panel 3.5mm auxiliary input so you can connect your external portable audio player or portable satellite radio receiver.

*It may be necessary to adjust the volume level of your portable devise to achieve an optimal volume level.

Weather Band Mode

NOAA National Weather Radio Broadcasts from over 380 Locations throughout the U.S. on seven VHF/FM frequencies. Tune to receive continuous weather information 24 hours a day on one of the following frequencies.

Press preset 1 to select weather band channel 1 - 162.400MHZ
Press preset 2 to select weather band channel 2 - 162.425MHZ
Press preset 3 to select weather band channel 3 - 162.450MHZ
Press preset 4 to select weather band channel 4 - 162.475MHZ
Press preset 5 to select weather band channel 5 - 162.500MHZ
Press preset 6 to select weather band channel 6 - 162.525MHZ

**Press SEEK UP/DOWN to select weather band channel 7 - 162.550 MHz

NOTE:

For easy viewing at night, the backlighting will always be on when ACC +12V switched power is applied. Backlighting will only shut off when the switched ACC +12V power is removed.

TROUBLE SHOOTING

Problem	Cause	Solution
Power light does not turn on	No power to Memory wire; no power to ACC wire; blown fuse.	Check for both ACC & BATTERY voltage with Multi-meter, check all fuses.
No sound	Speakers not connected; speakers connected with bad splices; Speakers shorted to ground; total speakers load not within 4-8 Ω/ch.	Connect speakers to harness; check all spliced wires; verify speakers not shorted to chassis; verify total speaker impedance. Check volume level.
Cannot tune radio stations	The antenna cable is not connected. The signal is too weak. The radio is in the wrong frequency steps.	Connect the antenna cable. Check the frequency spacing in the radio's menu.