



# Wireless Stereo Audio Transmitter

ARTCHIEF INDUSTRIES LTD.  
FCC ID: NZTSF-140  
EXHIBIT #: 5A

## OWNERS MANUAL

MODEL NO.  
SF-140 / EWT-950

## OPERATING THE EWT950

Remove the battery cover and insert two AAA batteries so the positive and negative poles match the illustration (alkaline batteries recommended).

### Battery Precaution

Follow these precautions when using batteries in this device:

1. Use only the size and type of batteries specified.
2. Be sure to follow the correct polarity when installing the batteries as indicated in the battery compartment. Reversed batteries may cause damage to the device.
3. Do not mix different types of batteries together (e.g., Alkaline and NiCd).



Connect the audio cord from the EWT950 to the headphone jack or line out jack on the audio equipment you wish to broadcast from (portable CD player, personal cassette tape players, electronic keyboard, etc.).

### NOTE:

The line out jack is preferred on most portable players but the headphone jack may need to be used on some models to avoid distortion.

Turn on your EWT950 by pressing the ON / OFF button. The power LED indicator light will illuminate to show that the unit is operating. Make sure that the volume level on the receiving radio is set to a medium level. Set your radio to the FM band. Find an unused radio station (88 MHz - 91 MHz is often good for finding unused channels). Set the FM band selection switch to match the station number on the radio. Turn on your audio equipment and set it to a medium volume level.

### NOTE:

Because of the FCC rules regarding class "B" digital devices, the volume on the radio must be set louder than the normal listening volume. Remember to turn your radio down when not using the EWT950.

Adjust the tuning dial on the EWT950 until your radio can receive a clear signal.

## TIPS

If you are driving across the country in your car (especially around mountains) and using the EWT950, it is possible that interference from a nearby radio station may cause your reception to fade out. If this happens, adjust the fine tuning dial on the EWT950. In some cases, you may have to switch to another unused radio station. The EWT950 works best when it is stationary. Use hook and loop tape (not included) to attach the unit to your car or mounting stand.

## TROUBLE SHOOTING

**No Sound Or Signal** - The power switch may be off. The batteries may need to be replaced or may not have been correctly installed. The radio may not be in FM band. The FM band selector switch on the unit may be incorrectly set. There may be too much interference from other radio stations and a new channel must be selected. Audio equipment connected to the EWT950 may not be on.

**Sound Quality Not Good** - The signal may not be tuned in completely. There may be too much interference from other radio stations and a new channel must be selected. The audio cord may need to be connected to the line out jack instead of the headphone jack on the audio equipment being used.

## SPECIFICATIONS

|                                           |                              |
|-------------------------------------------|------------------------------|
| Operating Voltage:                        | 3V (2 AAA Batteries)         |
| Consumption Current:<br>(no input signal) | 10 mA                        |
| Tuning Frequency:                         | 88 - 108 MHz                 |
| Transmission Range:                       | 4 - 6 ft.                    |
| Channel Separation:<br>(stereo)           | 40 dB                        |
| Maximum Input<br>Signal Level:            | 400 mVp-p                    |
| Audio Input Impedance:                    | 600 ohm                      |
| Audio Response:                           | 50 Hz - 15 KHz ( $\pm 3$ dB) |
| Pilot:                                    | -10% of MPX                  |
| Dimensions:                               | 3.4" l x 2.25" w x 1" h      |
| Weight:                                   | 1.75 oz                      |
| Audio Cord Length:                        | 12"                          |

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## WARNINGS

- Do not expose the EWT950 to moisture.
- If the EWT950 is not going to be used for several hours or more, remove the batteries to prevent corrosion.
- Do not open the EWT950. There are no user serviceable parts in this unit. Doing so will void the warranty.

## NOTE:

This equipment has been tested and found to comply with the limits for 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:

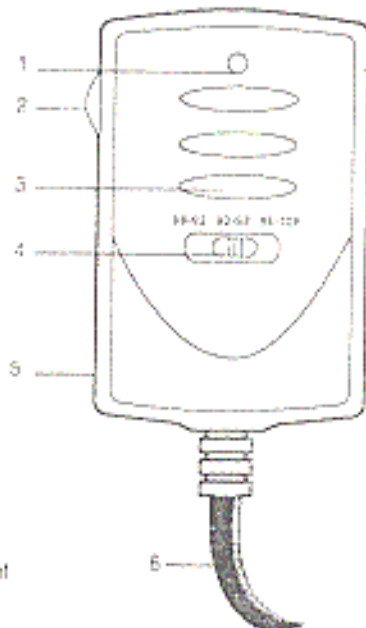
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help. Shielded interference cables must be used in order to comply with the emission limits.

## QUESTIONS?

If you have any questions about the EWT950 Wireless Stereo Audio Transmitter, please contact our Customer Service Department at 973-541-0700, Monday through Friday, 9 AM to 5 PM EST.

Welcome to the world of Emerson. The product you have purchased has been carefully engineered and manufactured to give you dependable operation. Read this manual before operating this unit to become familiar with its features and obtain the performance that will bring you continued enjoyment for many years. Please retain this manual for future reference.

## LOCATION OF CONTROLS



1. Power LED Indicator Light
2. Tuning Dial
3. On / Off Switch
4. FM Band Selection Switch
5. Battery Compartment
6. Audio Cord
- \* On back of unit

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