

USER'S MANUAL: SUPREMEVISION LARGE AREA 900MHZ WIRELESS TRANSMITTER

Model No.: SV-301MT

Important Safety Instructions

Read all instructions in this guide before installing and using the equipment.

Use the supplied power supply with the equipment. Plug the power supply into an appropriate, grounded power outlet.

Keep the equipment away from water and moisture. Avoid dropping anything on the equipment.

Do not attempt to service the unit yourself. Contact your dealer or Supreme Audio directly for maintenance and replacements.

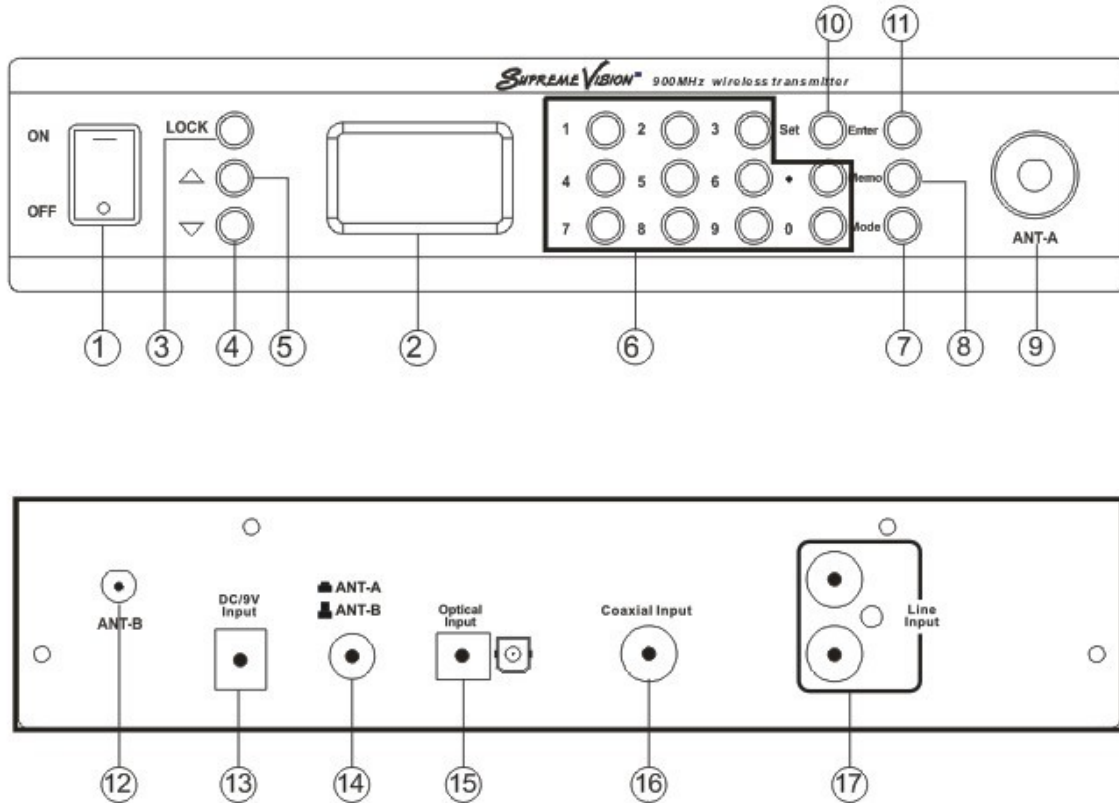
Introduction

Thanks for purchasing the SUPREMEVISION 900MHz wireless transmitter. This system is very reliable and easy to use. It is supported by a professional technical team who will ensure that, in the unlikely event that you strike any problems, you will be satisfied. Set the transmitter into any frequency freely ranged from 902.1MHz to 927.9MHz. The transmitter is compatible with all 900MHz receivers worldwide, such as Cardio Theater's, BVE's, MYE's etc.

Technical Specifications

900MHz Wireless Transmitter	
Frequency	902.100MHz - 927.900MHz
Output Power	-8dbm
Frequency space	50KHz
Channel	TBD
Audio Sampling	analog
Current Draw	DC9V 200mA
Audio Frequency Response	50Hz~15KHz
Mute	audio mute when signal lost
Concurrent Systems	20
Transmission Method	FM
Audio Input / Output	Line Input, Digital Inputs (Coax. & Optical)
Power	9V Power Adapter

Configurations



1. ON/OFF Switch
2. Color TFT Display
3. Lock button
4. UP button
5. DOWN button
6. Digit 0-9 & Decimal Button
7. Mode button (used to choose the audio source inputs, that is, coaxial input, fiber input or line input)
8. Memo button (used to memorize a new frequency)
9. ANT-A (front antenna)
10. Set button
11. Enter button (used to confirm a new frequency)
12. ANT-B (rear antenna)
13. DC/9V power input Jack
14. Antenna selection switch (used to choose the front or rear antenna)
15. Digital optical input jack
16. Digital coaxial input jack

17. Line input jack

Programming Procedures

Unlock by pressing the “LOCK” button till the lock icon disappears. Since all Freq’s start with ‘9’, the cursor defaults to the second digit. As you enter a digit for the new Frequency the cursor automatically moves to the right until you have entered all 5 digits after the ‘9’. Then press “Enter”. The last digit is always zero, so it does not need to be changed. The decimal point is done automatically. If you make a mistake, you can start again or use the “UP”/ “Down” buttons to correct. Once you press “Enter”, the cursor will go away, and if you need to change, press “SET and start again. After inserting the wanted frequency, press “Enter” and then “Memory” to memorize the Frequency. Then the setting is done.

“Mode” button: choose the inputs (digital coaxial input, digital fiber input or line input)

The antenna selection switch: it has two depths. When you push it once, it goes deeper, and the system will use the front antenna. When you push it again, it is shallower, then the system chooses the rear antenna.

Trouble Shooting Guide

1. When a STATIC INTERFERENCE occurs, please go through the following procedures to eliminate the problems.
 - a. Sound level on TV or other audio source equipment may be too high. Check the equipment and adjust the sound level as needed.
 - b. Check to see if any outside sources are using the same frequency as the transmitter. Either locate and remove the outside interference, or set the transmitter to a different channel to avoid that frequency.
 - c. Check the antenna installation. Make sure the antenna selection is correct. Switch to the rear antenna if the front one doesn’t work, vice versa. Check the audio source cable.
 - d. Make sure the transmitter mode is correct and the receiver channel number is correct.
 - e. Check the sound by connecting it to a different transmitter. Listen from a receiver to see if the sound improves.
 - f. Make sure the transmitter has power by checking the AC power cord: Is it plugged into a nearby outlet and into the transmitter?
 - g. Make sure that the antenna is upright and not located near a power cord or any metal objects.
 - h. If the problem continues, unplug the power cord for five minutes, then plug in again

2. When a NOISY SOUND occurs, please go through the following procedures to eliminate the problems.
 - a. Make sure there are no major internal obstructions, such as metal support posts, between antenna and receiver.
 - b. Make sure the antenna and receivers are installed so they are within the distance range.
 - c. Make sure that the antenna is upright and not located near a power cord, audio cable, or any metal objects.

- d. Make sure the sound level on the TV or other audio source equipment connected to the transmitter is set to a reasonable, medium level.
 - e. Try changing the transmitter to a different frequency to see if the sound quality improves. Some will be received better than others. It is suggested 300K frequency space to ensure the audio quality.
 - f. Make sure no other wireless transmitters are using the same frequency at the facility. The user is encouraged to use our Tri-band wireless receiver to do an auto-scanning in the field before the installation to find out the frequencies being used. Avoid using the frequencies being used whenever you install a new transmitter.
 - g. Check to see if any outside sources are using the same frequency as the transmitter. Either locate and remove the outside interference, or change the transmitter to a different frequency to avoid that frequency.
-
3. When there is NO SOUND, please go through the following procedures to eliminate the problems.
 - a. Make sure the transmitter and the receiver frequency matches.
 - b. Sound from the TV or other audio sources may be too low or muted. Check the equipment and increase the sound or unmute as needed.
 - c. Make sure the transmitter mode and the audio input jack matches. Check the audio cable to the TV "OUTPUT" not "INPUT".
 - d. Check the sound from the TV or other audio sources by connecting it to a different transmitter. Listen from a receiver to see if the sound improves.
 - e. Make sure the transmitter has power by checking the AC power cord: Is it plugged into a nearby outlet and into the transmitter?

In case the problems exist, the unit needs to be serviced. Please contact your dealer or Supreme Audio for maintenance and replacements service.

Repairs:

In the event that there is need for a repair, please contact SupremeVision for a Return Authorization.

SupremeVision

(A Division of Supreme Audio, Inc.)

155 Troy Rd., P.O. Box 550

Marlborough, New Hampshire 03455

Phone: 1-800-213-3515 or 1-603-876-3636

Fax: 1-800-346-4867 or 1-603-876-4001

E-mail: Info@SupremeVision.com

Copyright © 2010 SupremeVision (A Division of Supreme Audio, Inc.) All Rights Reserved.

FCC ID: YQESV-301MT

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.

changes or modifications not expressly approved by the party responsible for compliance 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.