

# User Manual and Installation Guide

peerSound<sup>TM</sup>  
Transmitter



FC CE c  US LISTED

peerless-AV<sup>®</sup>

**Models:**  
ADS100-T8

***FCC statement:***

" 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."

***FCC Caution:***

"Changes or modifications not expressly approved by the part responsible for compliance could void the user's authority to operate the equipment."

***FCC Statement:***

"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."

# Contents

<b>Important Safety Instructions.....</b>	<b>4</b>
<b>Important Information .....</b>	<b>6</b>
<b>Unit Care Recommendations .....</b>	<b>6</b>
<b>Introduction.....</b>	<b>7</b>
What's In The ADS100-T8 Box.....	7
Tools Needed For Installation.....	7
<b>Overview.....</b>	<b>8</b>
ADS100-T8 Transmitter.....	8
<b>Installation.....</b>	<b>9</b>
<b>Limited Warranty .....</b>	<b>10</b>

# Important Safety Instructions

## Warnings/Safety

1. Read these instructions
2. Keep these instructions
3. Heed all warnings
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
15. The product was submitted and evaluated for use at the maximum ambient (Tma) à 40°C
16. WARNING: To reduce the risk of fire or electrical shock do not place this apparatus in a position where it is exposed to dripping or splashing liquid, rain, moisture, or exceedingly high humidity. Objects containing liquid shall not be placed in proximity to the unit such that they present a risk of spillage onto the apparatus.



	The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated dangerous voltage within the product's enclosure that may be a sufficient magnitude to constitute a risk of electric shock to persons.
	The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.
	Le symbole de l'éclair avec une flèche à son extrémité, dans un triangle équilatéral, a pour but de vous avertir de la présence d'une « tension électrique dangereuse » et non isolée à l'intérieur de l'enceinte de l'appareil, qui peut être suffisamment puissante pour constituer un risque d'électrocution pour les personnes
	Le point d'exclamation dans un triangle équilatéral vous avertit de l'existence d'instructions importantes de fonctionnement et d'entretien (intervention) dans la documentation accompagnant l'appareil.

## Important Safety Instructions

17. To prevent electric shock, make sure to use the supplied DC adapters as power supply to the product.
18. Avoid overloading electrical outlets or extension cords which otherwise could result in electric shock or fire.
19. To avoid electric shock, never stick anything in the slots on the case or remove the cover.
20. This product is intended for indoor use only.



Model: ADS100-T8

FCC ID: 2AAW2ADS100-T8

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.

## Important Information

- Never use this product in an aircraft or a medical facility as it can cause interference or an undesirable effect.
- The use of this product in the following locations may result in abnormal audio output (noise, etc.).
  - When the product is placed near a refrigerator or metal structure.
  - A cluttered room where the wireless signals may be blocked.
- This product has been tested and manufactured to comply with each country's safety rules. However, there is no guarantee that interference will not occur in some installations. If interference happens, decrease the distance between the product and receiving antenna.
- Optimal use of this product is for in-room/multi-room applications with a range of up to 140 ft. (43m) away line of sight. This distance is reduced slightly as objects like walls and floors are in the transmission path.
- Any changes or modifications not expressly approved by the manufacturer of this device could void the product warranty.
- This equipment must be installed and operated in accordance with the provided instructions. End users and installers must be provided with installation instructions and Transmitter operating conditions for satisfying RF exposure compliance.
- This device should be used only as specified within this manual to meet RF exposure requirements. Use of this device in a manner inconsistent with this manual could lead to excessive RF exposure conditions.

## Unit Care Recommendations

To clean, use a soft, dry cloth only. Do not use water or other cleaning products as they may cause electrical failure or damage the surface of the product.

## Introduction

This ADS100-T8 transmitter provides 8 total independent mono zones, or 4 total stereo zones, or any combination in-between. By connecting your source(s) to either the RCA line level or speaker level inputs, you can wirelessly receive the audio signal and amplify it for the remote speakers.

**For initial set up, refer to the main instruction sheet within the ADS100-B kit. These instructions are meant for replacement of a faulty ADS100-T8 product only.**

## What's In The ADS100-T8 Box

Before you start the installation, make sure you have the following items:

- 8CH 1 RU Black Transmitter
- (1) pair of rack ears + screws
- (8) Phoenix Connectors, 2 Pole
- (1) 120-240 VAC Power Adapter

## Tools Needed For Installation

- Phillips Screwdriver

## Overview

### ADS100-T8 Transmitter:

First, review the transmitter connections and controls.

#### Front



#### 1. POWER

- Turns unit ON/OFF

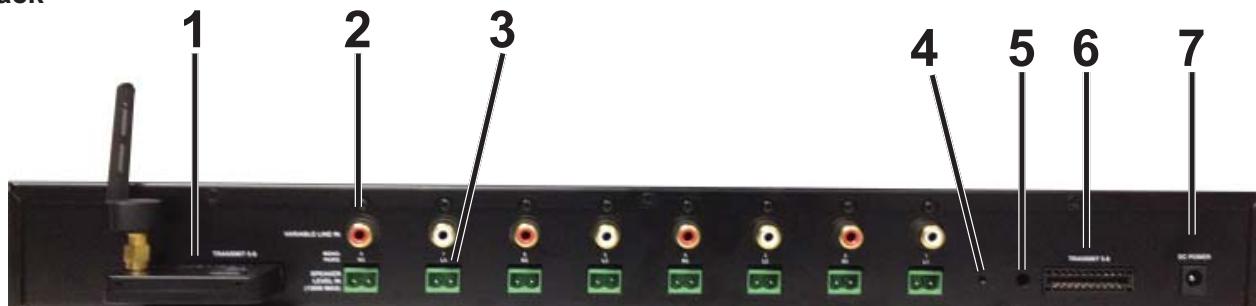
#### 2. SYNC 1-4

- Used to pair amps for channels 1-4

#### 3. SYNC 5-8

- Used to pair amps for channels 5-8

#### Back



#### 1. Transmitter Module

- Sends signal to RX on amp

#### 2. RCA Line Level Input (8)

- Inputs for AV component connection

#### 3. Speaker Level Input (8)

- Inputs for AV speaker connection

#### 4. TX Module Locking Screw Hole

#### 5. TX Alignment Pin Hole (Both Sides)

#### 6. Transmitter Module Plug

- Accepts Transmitter Module

#### 7. DC POWER

- Power input

# Installation

## Step 1

On the existing transmitter complete the following:

- Turn the power off.
- Remove the power plug from the back panel socket.
- Remove all input connections 1-8, noting the exact connections for replacement.
- Remove the phillips locking screws in the TX module(s).
- Remove each TX module with antenna or antenna cable still attached.
- If installed in a rack, remove the 4 front rack mounting screws and pull transmitter out.

## Step 2

On the new transmitter, install the new rack ears and attachment screws (supplied).

## Step 3

Locate the transmitter where previously installed (in rack or on shelf). Install face rack mount screws if applicable.

## Step 4

Complete all wiring connections including:

- Press each TX module completely into the socket, locating the pin with the hole in the transmitter case
- Install the Phillips locking screw into the hole in the TX module. Tighten barely snug only.
- Re-connect inputs 1-8 as applicable
- Plug the power supply in
- Turn the power on

## Step 5

The system should be fully operational. No need to re-sync the amplifier RX modules. The sync memory is maintained within the TX modules.

## Limited Warranty

Peerless Industries, Inc. ("Peerless-AV®") warrants to original end-users of Peerless-AV® products that Peerless-AV® products will be free from defects in material and workmanship, under normal use, for the periods listed below, from the date of purchase by the original end-user. At its option, Peerless-AV® will repair or replace with new or refurbished products or parts, or refund the purchase price of, any Peerless-AV™ product which fails to conform with this warranty.

**In no event shall the duration of any implied warranty of merchantability or fitness for a particular purpose be longer than the period of the applicable express warranty set forth above.** Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.

This warranty does not cover damage caused by (a) service or repairs by the customer or a person who is not authorized for such service or repairs by Peerless-AV®, (b) the failure to utilize proper packing when returning the product, (c) incorrect installation or the failure to follow Peerless-AV®'s instructions or warnings when installing, using or storing the product, or (d) misuse or accident, in transit or otherwise, including in cases of third-party actions and force majeure. This warranty also does not cover corrosion or rust resulting from damaged, scratched or chipped paint or other surfaces.

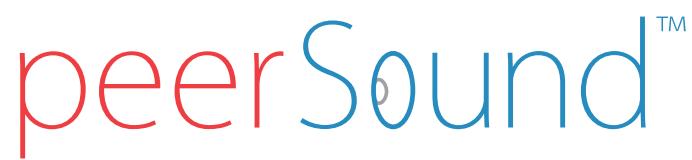
**In no event shall Peerless-AV® be liable for incidental or consequential damages or damages arising from the theft of any product, whether or not secured by a security device which may be included with the Peerless-AV® product.** Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

This warranty is in lieu of all other warranties, express or implied, and is the sole remedy with respect to product defects. No dealer, distributor, installer or other person is authorized to modify or extend this Limited Warranty or impose any obligation on Peerless-AV® in connection with the sale of any Peerless-AV® product.

This warranty gives specific legal rights, and you may also have other rights which vary from state to state.

<u>Product</u>	<u>Warranty Period</u>
Mounts	5 years
Furniture	1 year
Cables	25 years
Cleaning Products	1 year
Electronic Products and components	1 year





Peerless -AV  
2300 White Oak Circle  
Aurora, IL 60502 USA  
[peerair.peerless-av.com](http://peerair.peerless-av.com)

©2013 Peerless-AV. All rights reserved. Peerless-AV is a trademark of Peerless Industries, Inc.  
Other parties' marks are the property of their respective owners.