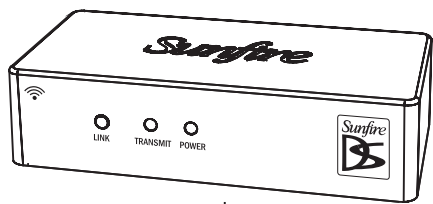
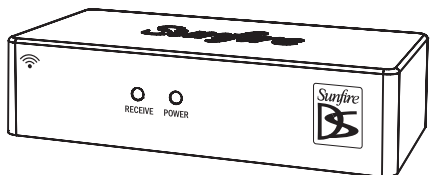
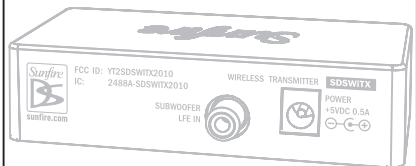
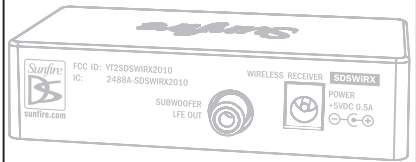


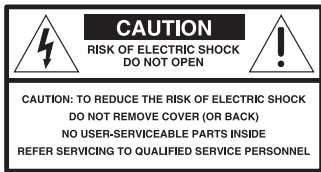
# Sunfire®



## Wireless Receiver and Transmitter

### SDSWiTX and SDSWiRX

#### Quick Start Guide



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 of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user of the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.



## Important Safety Instructions

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. Install in accordance with the 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. Only use attachments/accessories specified by the manufacturer.
10. Unplug this apparatus during lightning storms or when unused for long periods of time.
11. 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.

12. 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 the 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.

### FCC and IC Information

This equipment complies with Part 15 of FCC RF Rules. Operation is subject to the following two conditions:

1. This device may not cause interference and
2. This device must accept any interference, including interference that may cause undesired operation of the device.

This Device complies with RSS-210 of the IC Rules. Operation is subject to the following two conditions:

1. This device may not cause interference and
2. This device must accept any interference received, including interference that may cause undesired operation.

**Warning:** Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

### FCC and IC Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment and meets the exemption from the routine evaluation limits in section 2.5 of RSS 102.

1. This Transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
2. This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters from user and bystanders.

**Warning:** The device meets the exemption from the routine evaluation limits in section 2.5 of RSS 102, and users can obtain Canadian information on RF exposure and compliance from the Canadian Representative Product Solutions Group at Tel: (519) 763-4538.

To find out more about this and other Sunfire products, please visit our website: [www.sunfire.com](http://www.sunfire.com)

## Introduction

Thank you for purchasing a Sunfire Dynamic Series Wireless SDSWiTX Transmitter or SDSWiRX Receiver.

This wireless system allows an SDS series subwoofer to be added to a system, without the need to run long cables the subwoofer.

The SDSWiTX transmitter receives the line-level subwoofer/LFE signal from the Home Theater or stereo system's preamplifier or receiver. It then transmits it digitally to the SDS WiRX receiver located close to the subwoofer.

## Contents

- One SDSWiTX Transmitter or
- One SDSWiRX Receiver
- One detachable AC/DC power adapter
- One short patch RCA cord

## Unpacking

Your Sunfire product should reach you in perfect condition. If you do notice any shipping damage, please contact your Sunfire Dealer immediately.

Gently lift out the unit and all accessories, and remove all the packing material. It is important to save all the packing materials and the box in case your unit ever needs to be moved or shipped for repair.

Make sure that you keep your sales receipt. It is the only way to establish the duration of your Limited Warranty and it may come in useful for insurance purposes.

## Care

To clean the unit, first unplug the AC adapter's power cord and then use a soft dry cloth to clean the surfaces.

## Specifications

**Wireless Band**

2.4 GHz

**Sampling Rate**

48 kHz

**Resolution**

16 bit

**Latency**

22 ms

**Indoor Range**

One Tx and One Rx:	40 feet
One Tx and Two Rx:	25 feet
One Tx and Three Rx:	17 feet
One Tx and Four Rx:	10 feet

**Power Supply**

5V dc, 0.5A (AC/DC adapter supplied)

**Receivers**

Each transmitter can control up to 4 receivers

**Audio Input/Output**

Line-Level RCA connector.

**Dimensions L x W x H**

8.1 x 5.5 x 2.6 in  
206 x 140 x 66 mm

**Weight**

SDSWiRX 10.8 oz (305g)  
SDSTiRX 11.4 oz (324g)

## Service

If your Sunfire product ever requires service, please write to us or call:

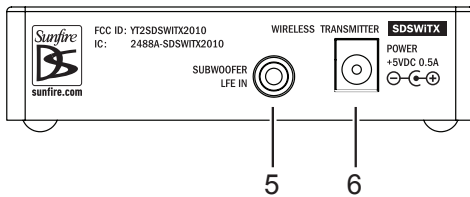
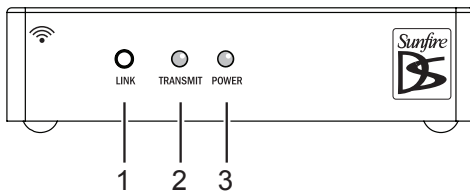
**Sunfire,**  
1300 E New Circle Road, Suite 150  
Lexington, KY 40505  
Phone 859-514-8290  
Fax: 859-269-7972

## Warranty

Sunfire, a division of Elan Home Systems, LLC, is proud of its products which have been built with care using advanced technology and premium component parts. Your unit has been crafted to perform properly for many years. The warranty details for your product are shown on the Sunfire website [www.sunfire.com](http://www.sunfire.com)

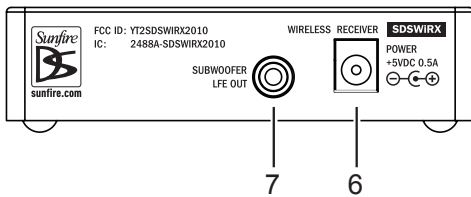
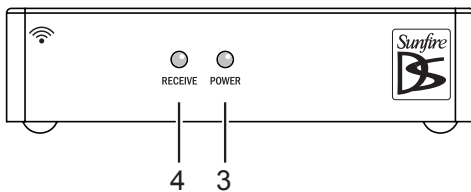
## Features

### Transmitter



1. **LINK Button (Tx)**  
This button is used in the initial setting-up, to establish a link between the transmitter and one or more receivers.
2. **Transmit LED (Tx)**  
Turns on when transmitting signals to the receiver(s).
3. **Power LED**  
Turns on when the supplied AC/DC adapter is connected.
4. **Receive LED (Rx)**  
Turns on when receiving signals from the transmitter.

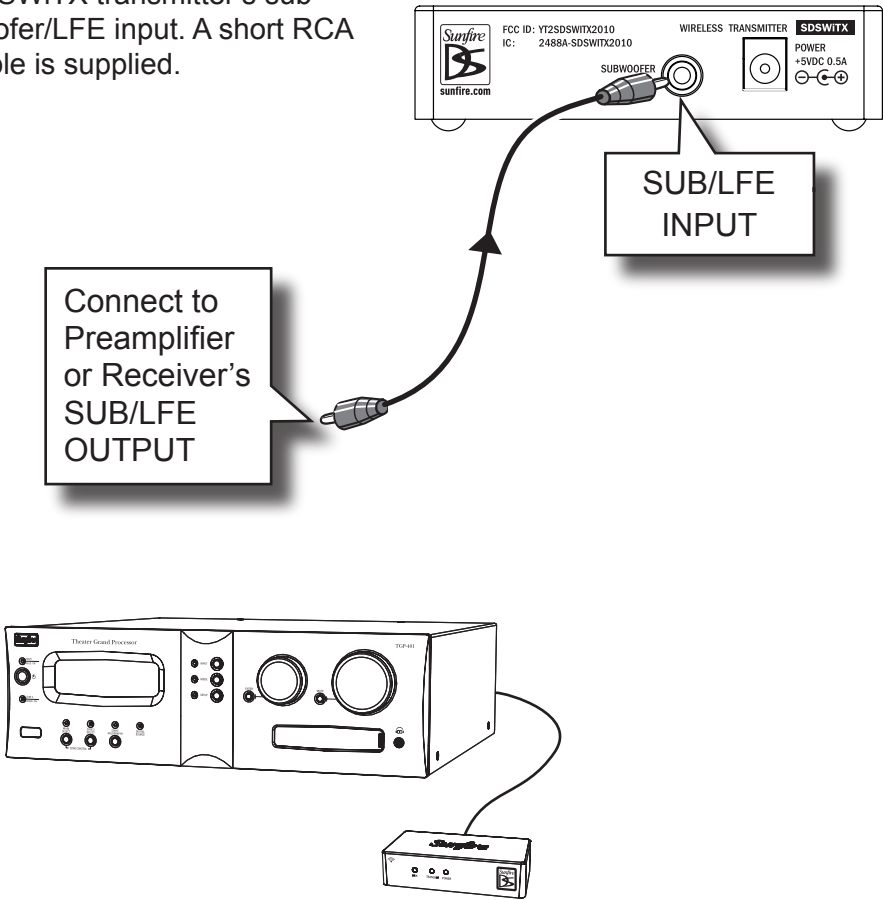
### Receiver



5. **Subwoofer LFE Input (Tx)**  
This line-level RCA input connects to the subwoofer/LFE output of a home theater or stereo system's subwoofer/LFE output. A short RCA cable is supplied.
6. **Power Input**  
Connect to the DC output of the supplied AD/DC adapter. The voltage input is + 5V dc on the pin, at 0.5A
7. **Subwoofer LFE Output (Rx)**  
This line-level RCA output connects to the subwoofer/LFE input of a Sunfire SDS subwoofer. A short RCA cable is supplied.

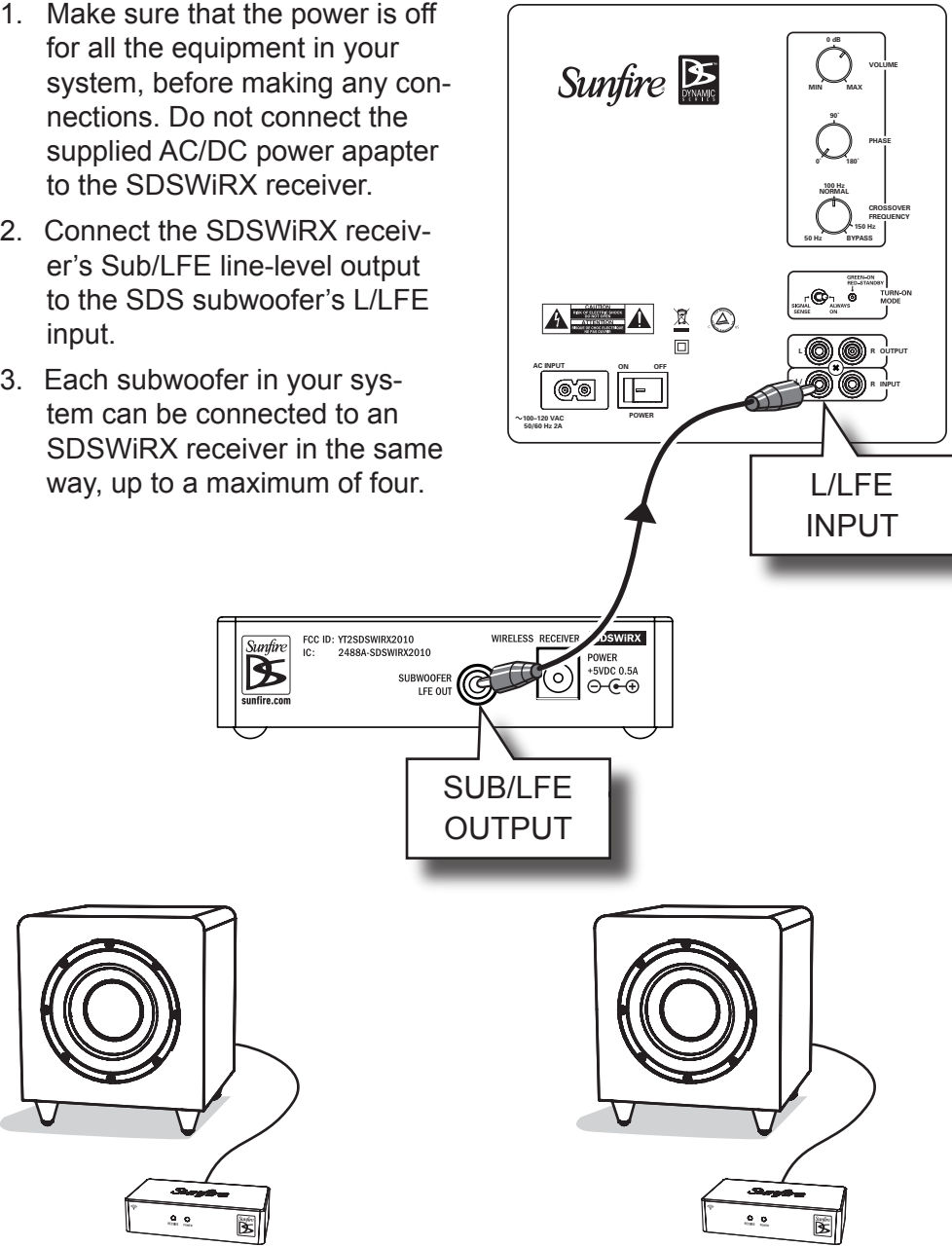
Transmitter Connection

- 1. Make sure that the power is off for all the equipment in your system, before making any connections. Do not connect the supplied AC/DC power apapter to the SDSWiTX transmitter.
- 2. Connect the preamplifier or receiver's Subwoofer or LFE line-level output to the SDSWiTX transmitter's subwoofer/LFE input. A short RCA cable is supplied.



Receiver Connection

- 1. Make sure that the power is off for all the equipment in your system, before making any connections. Do not connect the supplied AC/DC power apapter to the SDSWiRX receiver.
- 2. Connect the SDSWiRX receiver's Sub/LFE line-level output to the SDS subwoofer's L/LFE input.
- 3. Each subwoofer in your system can be connected to an SDSWiRX receiver in the same way, up to a maximum of four.



Linking Procedure

After the transmitter and receiver(s) have been connected to the system and subwoofer, an initial procedure is required to link the transmitter to the receiver(s) in the system. This only needs to be done once, or whenever a new receiver and subwoofer are added.

Each transmitter and receiver have an internal identification (ID) set at the factory.

Note: The receiver and transmitter have no power switches. They are turned on by connecting their power supplies to an AC outlet.

Linking Mode

- 1. Turn off all other equipment in your system, including the subwoofer.
- 2. Turn **off** the SDSWiRX receiver.
- 3. Turn **on** the SDSWiTX transmitter. It will start to look for a receiver with the same ID.
- 4. Press and hold the LINK button on the transmitter for more than 3 seconds. This will set the transmitter in its Link Mode.
- 5. Turn **on** the receiver. It will begin looking for a transmitter with its current ID for 3 seconds, and then switch to looking for any transmitter in Link Mode for 3 seconds. The receiver will

continue this cycle indefinitely until it bonds with a transmitter with the same ID or it bonds to a new transmitter.

- 6. The Link mode will terminate if no receiver links before the configured timeout. The transmitter will use the original ID and will enter normal search mode.
- 7. The Link mode times out after at least one receiver has linked.
- 8. Once the link has been established, turn on the audio system and verify that the audio signals from the audio system's subwoofer or LFE output play in the subwoofer.

Adding another Receiver

If you add a new receiver and subwoofer to an existing transmitter/receiver system, follow this procedure to link the new receiver to the transmitter. This will not affect the link from the transmitter to the original receiver.

- 1. Press the LINK button on the transmitter for less than 3 seconds. In this mode the current ID will not be changed, and a normal linking operation will be triggered.
- 2. Turn the power on the new receiver off and on.

Operation

Once the link has been established between the transmitter and receiver, the subwoofer will play in exactly the same way as if a long RCA cord was used to make connections.

Read and follow the details in the owner's manual for your audio system and the subwoofer.

Troubleshooting

Subwoofer does not play

- Check that the transmitter and receiver are both turned on.
- Check that RCA connection cable between the audio system and the transmitter is secure and in good condition.
- Check that RCA connection cable between the receiver and the subwoofer is secure and in good condition.
- Repeat the linking procedure if required.
- Check that the receiver is not further than 15 meters away from the transmitter.

SDSWiTX:  
FCC ID: YT2SDSWiTX2010  
IC: 2488A-SDSWiTX2010  
SDSWiRX:  
FCC ID: YT2SDSWiRX2010  
IC: 2488A-SDSWiRX2010

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