

# Alead

## Bluetooth Wireless Stereo Transceiver HD Pro

P/N: ASHDP5C2XXX

## USER GUIDE



**Declaration of Conformity:** We declare that product ASHDP5C2XXX conforms to the R&TTE Directive 1999/5/RC.



FCC ID:2ADC4NMSP3C2MTRX

CE 0678

## INTRODUCTION

This Bluetooth Stereo Transceiver HD Pro (TRX HD Pro) works with home stereo and TV as Transmitter (Tx) or Receiver (Rx) for music/audio by using Bluetooth A2DP profile wirelessly.

## GETTING STARTED

Unpack the package carefully and confirm that you have all of components as shown below.



Stereo  
Transceiver HD Pro



Power adapter



USB charging cable



Optical (Toslink) cable



Mini optical  
connector

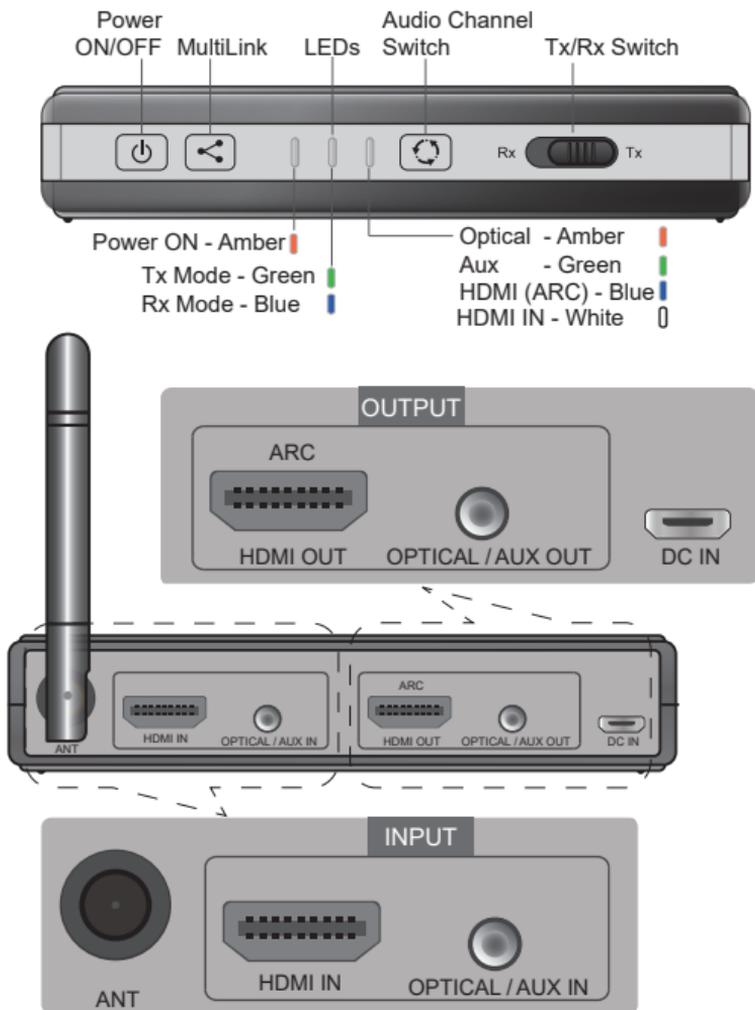


Antenna

Please contact your local dealer immediately for any missing or damaged component.

## PRODUCT OVERVIEW

The TRX HD Pro provides the digital HDMI, optical (Toslink), analog 3.5mm aux combo audio interface, input audio pass through, audio converting, HDMI (ARC), HDMI audio extracting, HDMI A/V signal pass through and Bluetooth multilink features.



## SYSTEM SETUP

### 1. Install the Bluetooth antenna and power cord



### 2. Connect audio cable between devices and select desired audio input or output mode on the TRX HD Pro.

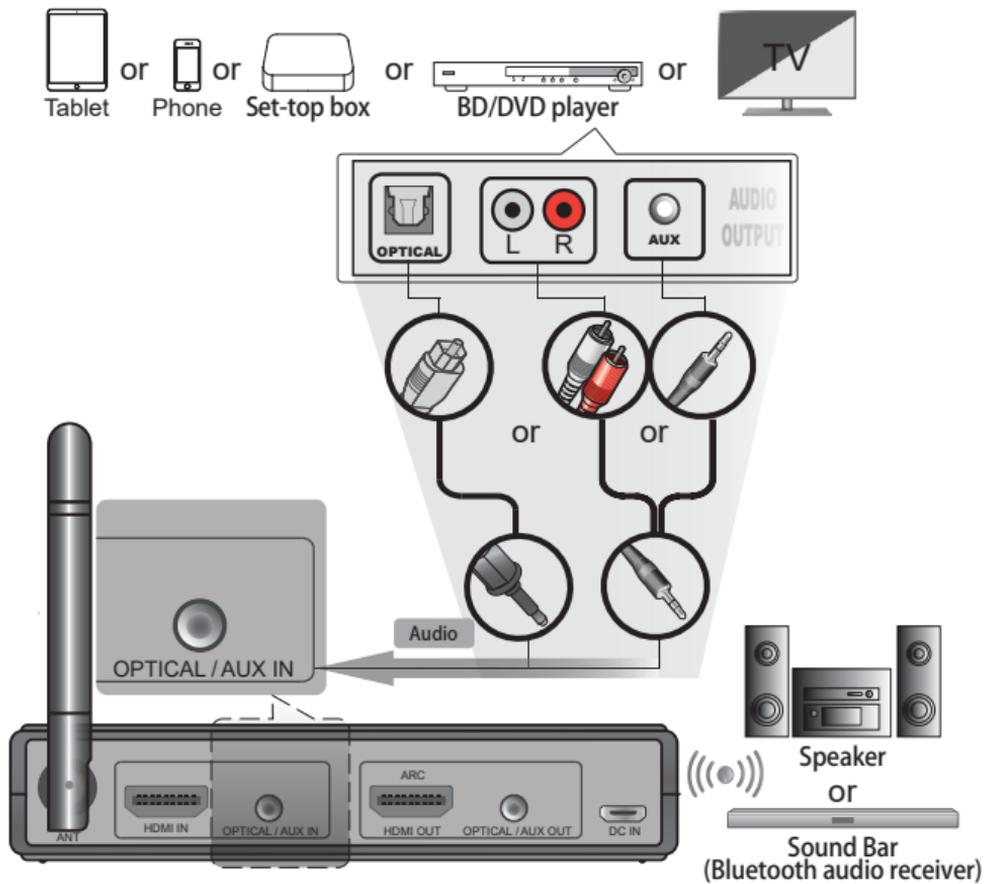
#### 2.1 Transmitter (Tx) to transmit audio out

For the transmit music/audio out, connect HDMI, optical (Toslink) or aux cable from audio output of TV or audio source to audio input of TRX HD Pro and select the desired audio input type. From the Audio setting on the TV or audio source change the Digital Audio Setting to PCM.

#### A. For connecting external device using audio optical cable or aux cable

The unit is equipped with an optical (Toslink) and aux audio input combo jack. User can connect either optical (Toslink) or aux cable from audio output of TV, external audio device to audio input of TRX HD Pro.

## Transmitter (Tx):



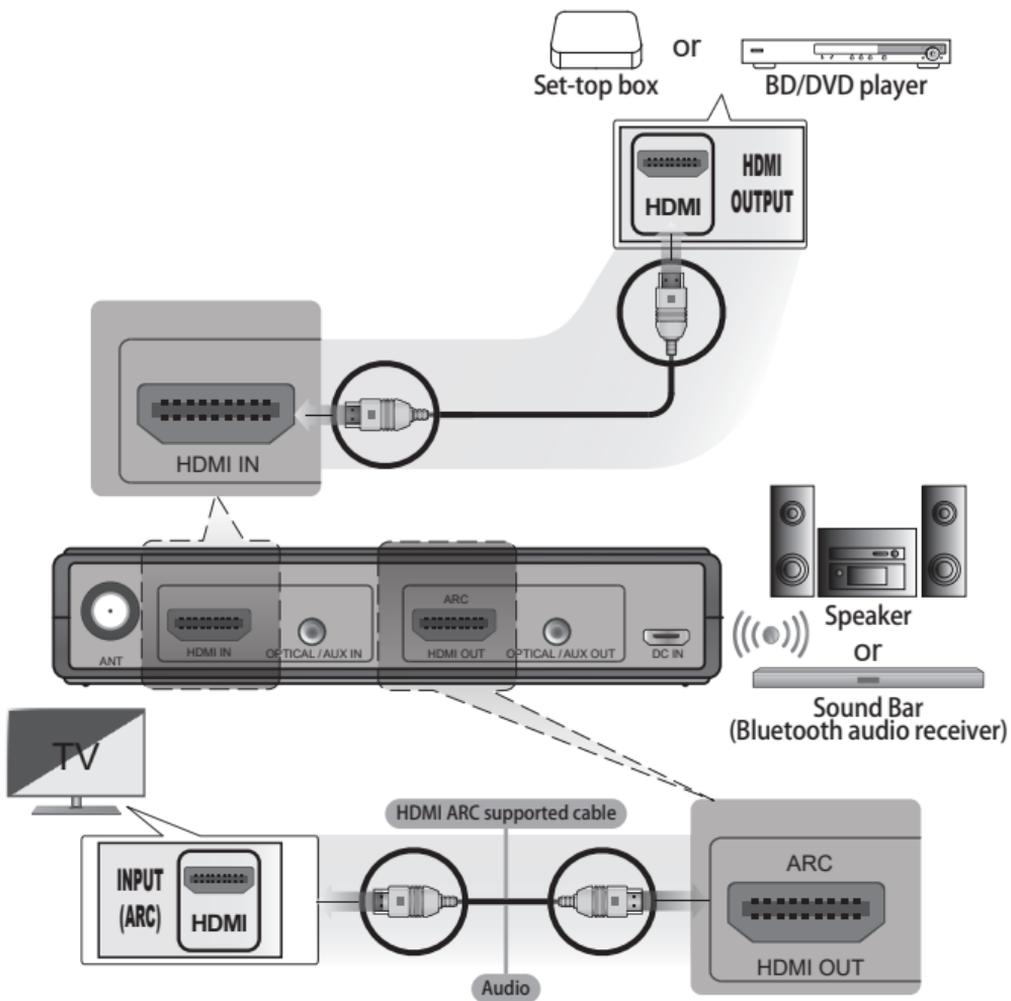
## B. For connecting external device using HDMI cable

### HDMI IN

Connect a HDMI cable from the HDMI output port on digital device to the HDMI IN port on TRX HD Pro.

### HDMI OUT (ARC)

Connect a HDMI cable from the HDMI (ARC) port on the TV to the HDMI OUT (ARC) port on the TRX HD Pro.



## \* HDMI ARC

The HDMI ARC (Audio Return Channel) function allows TV to send digital audio signal via HDMI ARC supported cable. It works when both TV HDMI (ARC) port and TRX HD Pro HDMI OUT (ARC) port are connected and TV ARC is enabled. For ARC work properly, the HDMI cable need to support ARC.

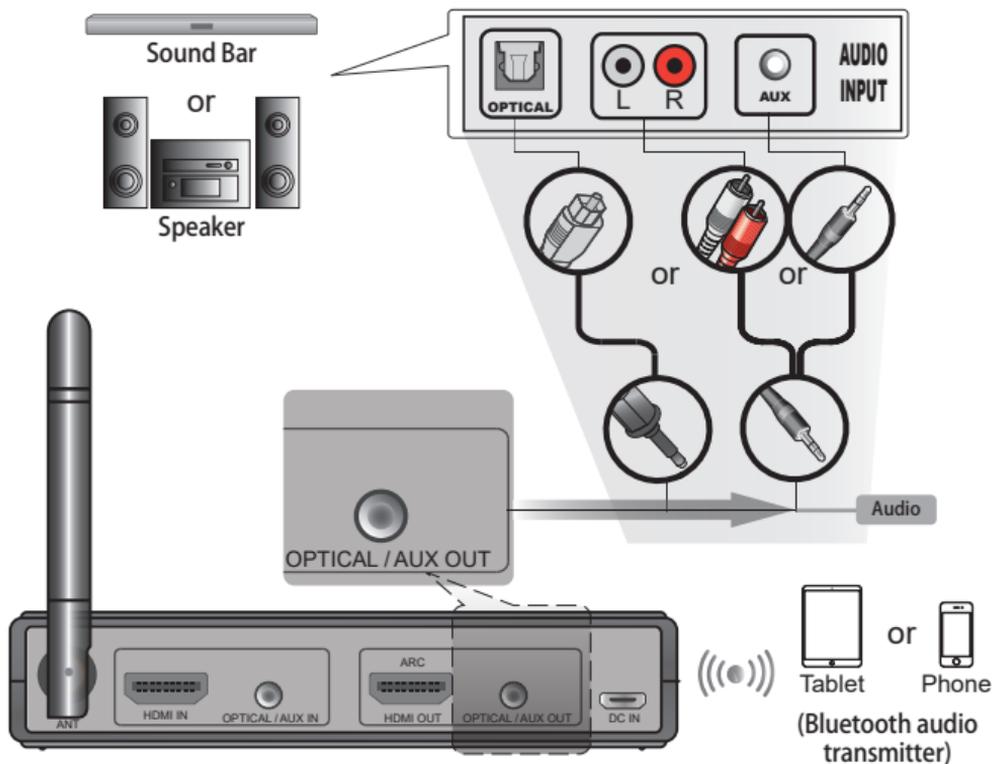
## 2.2 Receiver (Rx) – to receive audio in

For receiving music/audio, connect an optical (Toslink) or aux audio cable from the optical/aux output port on the TRX HD Pro to the audio input of home stereo, soundbar, speaker or receiver.

**For connecting external device using audio optical cable or aux cable.**

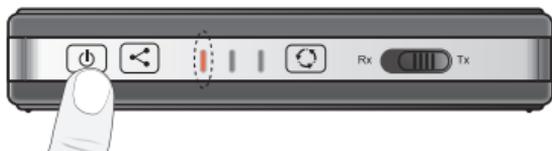
The unit is equipped with an optical (Toslink) and aux audio output combo jack. User can connect either optical (Toslink) or aux cable from optical/aux output port of TRX HD Pro to the audio input of external audio device. The output of optical audio is stereo PCM.

### Receiver (Rx):



## POWER ON

Touch the POWER icon to turn on the unit, the Power LED will be on with **amber color**.



## SELECT DESIRED WORKING MODE – TRANSMITTER (Tx) OR RECEIVER (Rx) MODE

TRX HD Pro works in 2 different modes:

**1. Transmitter (Tx):** Transmit music/audio to Bluetooth stereo speaker, receiver and headphone...etc.

Slide the mode switch to select Tx mode. Mode LED is flashing with **green color**.



**2. Receiver (Rx):** Receive music/audio from iPod, iPhone, iPad, Bluetooth MP3, music player, TV, tablet, PC, laptop or Mac.

Slide the mode switch to select Rx mode. Mode LED is flashing with **blue color**.



## SELECT AUDIO PORT

### 1. Transmitter (Tx):

Touch the audio selection icon to select audio input either HDMI or optical/aux combo jack.



**HDMI** - TRX HD Pro will detect audio source of HDMI from either HDMI IN or HDMI (ARC) automatically.

HDMI IN - Audio LED with **white color**

HDMI (ARC) - Audio LED with **blue color**

### Audio OPTICAL/AUX Combo Jack

OPTICAL- Audio LED with **amber color**

AUX - Audio LED with **green color**

The TRX HD Pro will recognize the type of input audio either optical or aux input automatically after plugged audio cable into optical/aux combo jack.

### 2. Receiver (Rx):

#### Audio OPTICAL/AUX Combo Jack

OPTICAL -Audio LED with **amber color**

AUX- Audio LED with **green color**

The TRX HD Pro will recognize the type of output audio either optical or aux output automatically after plugged audio cable into optical/aux combo jack.

## PAIRING

**Transmitter (Tx): To pair and connect with Bluetooth speaker, receiver or headphone devices.**

1. Turn on the TRX HD Pro. The Power LED will light on with **amber color** and the Mode LED is quick flashing with **green color** for pairing.
2. Put the Bluetooth stereo speaker, receiver or headphone into pairing state. Refer to the Bluetooth stereo speaker, receiver, or headphone user guide for instructions for this feature.
3. The TRX HD Pro will pair and connect with Bluetooth device automatically. The Mode LED will change to flash slowly with **green color**.

**Important Note:** TRX HD Pro supports four sets of pin code: 0000, 1111, 1234 and 8888. It covers the most of popular speakers, receivers and headphones.

**Receiver (Rx): To pair and connect with iPod, iPhone, iPad, tablet, android phone, Bluetooth MP3, music player, TV, laptop, Mac or PC...etc.**

1. Turn on the TRX HD Pro. The Power LED will light on with **amber color** and the Mode LED is quick flashing with **blue color** for pairing.
2. After the TRX HD Pro is in pairing state, initiate Bluetooth search feature and find the device name "**Blue HD Pro**". Refer to your iPhone, PC user guide. If pin code requested during pairing, please submit the pin code 0000.
3. The iPhone, iPad or PC should find the TRX HD Pro and pair with it. After both paired and connected, the Mode LED will change to flash slowly with **blue color**.

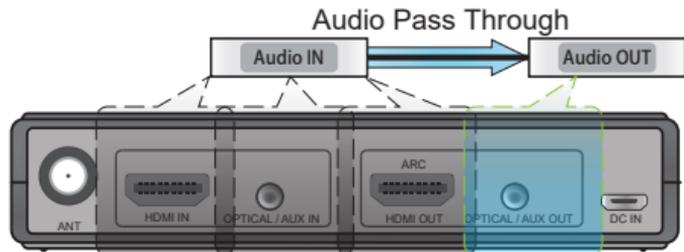
## POWER OFF

Touch the POWER icon, TRX HD Pro and all of LEDs will be off.



## Audio Pass Through and Converting

The Audio Pass Through function is only available at Transmitter mode (Tx) and performed automatically when TRX HD Pro is on. Select desired audio input and the desired input audio signal will be passed through to the optical and aux output port. At same time, input audio will be converted to suitable type of audio on output port automatically.



## HDMI functions

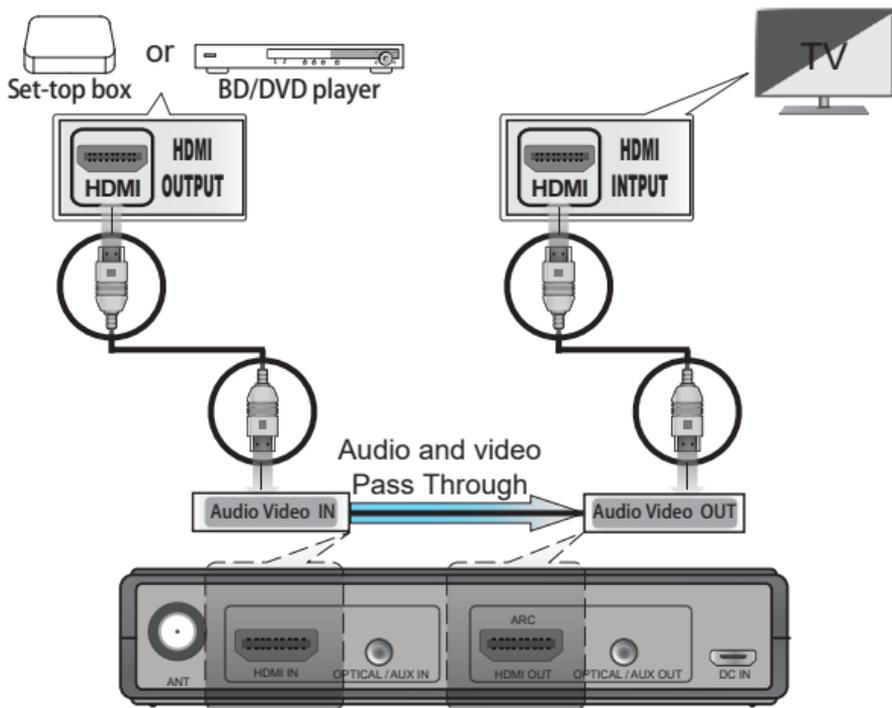
### HDMI audio extractor

The TRX HD Pro can extract digital PCM stereo audio signal from HDMI IN input. The extracted audio will be transmitted to Bluetooth speakers/headphones/receivers and pass through to optical/aux audio output. To do HDMI audio extracting, need to select audio port to HDMI IN. The light of audio LED will be **white color**.

\* Note: TRX HD Pro extract PCM stereo audio signal only.

### HDMI Pass through

HDMI IN input audio and video signal will be passed through to HDMI OUT (ARC) with same audio and video signal when TRX HD Pro is with power.



## HDMI (ARC) Audio Return Channel

TRX HD Pro supports the HDMI ARC and CEC from TV to have better audio quality. The TRX HD Pro will switch to TV ARC audio input with [blue light](#) at HDMI audio input automatically when TV ARC or CEC is ON. To use ARC function, please refer to the “Connecting external device using HDMI cable” part “HDMI ARC” section and using ARC supported HDMI cable to connect HDMI (ARC) port on your TV.

## MULTIPLE LINKS

With multilink, TRX HD Pro can pair and connect upto 2 Bluetooth speaker, receiver or headphone at same time.

### Pairing and connect to the 2nd Bluetooth device

If you like to connect 2nd speaker/receiver/headphone when the 1st device is connected, by touch multilink icon, TRX HD Pro will start to pair and connect the 2nd device.



The pairing procedure is same as the first one. After paired and connected with 2nd device, TRX HD Pro will transmit audio/music to 2 Bluetooth speaker/receiver/headphone at same time.

#### \* Notes:

1. The audio of 1st device will be interrupted during pairing 2nd Bluetooth device. Both audio will be restored automatically when 2nd Bluetooth device connected completely.
2. If you have paired with two devices, TRX HD Pro always connects to the latest paired device on next power on. After one device is connected, click multilink icon, TRX HD Pro will connect another paired device automatically.

### Reduce audio delay with FastStream

Bluetooth audio transmission always cause a little audio delay, it may cause the audio lip-sync or delay effect when listen the audio or music in real time environment. The TRX HD Pro supports low latency audio with FastStream. To achieve the low audio lag/delay, the receivers, speakers or headphones also need support audio FastStream, too.

## VISUAL INDICATION

The POWER/MODE/AUDIO LED can also indicate the status of TRX HD Pro working status.

Power Status	POWER LED Indication
Power on	Amber LED on
Power off	Amber LED off
Mode Status	MODE LED Indication
Transmitter pairing	Green LED fast flashing
Transmitter connected	Green LED medium speed flash, approx. every 2 seconds
Transmitter standby	Green LED low speed flash, approx. every 5 seconds
Receiver pairing	Blue LED fast flashing
Receiver connected	Blue LED medium speed flash, approx. every 2 seconds
Receiver standby	Blue LED low speed flash, approx. every 5 seconds
Audio Status	Audio LED Indication
HDMI IN	White LED on
HDMI (ARC)	Blue LED on
OPTICAL	Amber LED on
AUX	Green LED on

## TROUBLESHOOTING

Please note that you should also be familiar with the operation of your audio speaker, receiver, headphone, mobile phone or other connecting Bluetooth device. Please read the user guide for your device carefully. For operation with a PC or laptop, please note that these devices should be Bluetooth enabled with appropriated

Bluetooth driver with A2DP profile supporting in order to enable correct operation.

<b>Problem</b>	<b>Likely Cause / Solution</b>
<b>TX Mode</b>	
TRX HD Pro cannot transmit audio to the Bluetooth device.	Ensure selected correct audio input on front of audio switch and matching audio input cable connection on back of unit.
Streaming audio with static or crispering noise.	Ensure audio source or TV is using PCM stereo audio format, not DTS, Dolby digital or 5.1 CH.
ARC audio does not work with HDMI (ARC).	Make sure HD Pro audio input is at HDMI port and TV ARC is ON.
HD Pro audio does not switch to HDMI (ARC).	Touch the audio icon to select audio input to HDMI port.
Like to switch audio between HDMI IN and HDMI (ARC)	Long press audio icon 3 seconds to switch between HDMI IN and HDMI (ARC).
TRX HD Pro cannot pair with Bluetooth speaker, headphone.	Ensure you are using Tx mode with <b>green LED</b> flashing.
<b>RX Mode</b>	
TRX HD Pro cannot output audio.	HD Pro selected correct audio output matching connected audio cable on back of unit.
Cannot pair with iPod, iPhone, iPad, Mac, PC...etc.	Ensure you are using Rx mode with <b>blue LED</b> flashing.

Problem	Likely Cause / Solution
TRX HD Pro can not pair with Bluetooth device.	Please ensure all of other Bluetooth devices have been turn off to avoid any interference during pairing. Ensure the Bluetooth device pin code is one of these codes: 0000, 1111, 1234, 8888.
TRX HD Pro does not reconnect, lost connection or Mode LED flashes at 5 second intervals.	TRX HD Pro and Bluetooth device were out of range of distance. Turn both Bluetooth devices off and turn on again to reconnect.

## **CUSTOMER SERVICE INFORMATION**

For other Alead Bluetooth products or supporting, please view our website – [www.aleadinc.com](http://www.aleadinc.com), [www.nolan-sys.com](http://www.nolan-sys.com) or email [info@aleadinc.com](mailto:info@aleadinc.com), [info@nolan-sys.com](mailto:info@nolan-sys.com) or contact your local representative.

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