

NEXTLINK Video Communications
Advanced WireLess Products
User Guide - Effective 8/15/2015



ST1525-T8 WIRELESS VIDEO TRANSMITTER

USER GUIDE



Mfg by NEXTLINK Video Communications
Advanced Technology & OEM Products Division
Tucson, AZ. 85748 U.S.A.

Phone: + 520-886-1340 Fax: + 520-886-1517

Prices & Specifications Subject to Change without notice

NEXTLINK Video Communications
Advanced WireLess Products
User Guide - Effective 8/15/2015

StarLink Wireless ® ST1525-T8 Wireless Transmitter

CUSTOMER WARRANTY RECORD

Thank you for purchasing your StarLink WireLess ® ST1525-T8 Advanced Technology Video Transmitter. Please read this User Guide to Operations in its entirety. This user guide contains important operational, safety and caution information and offers a comprehensive description of its usage for wireless video transmission.

If you have a problem with your StarLink ® Transmitter, first check your Video and DC Power connection(s). If you can not resolve the problem after checking your connection(s), contact NextLink Factory Direct. If this is not possible, contact our Customer Support Center at + (520) 886-1340.

When requesting support you will be asked to supply the following information found on the side of your transmitter.

Model number: _____
Serial number: _____
Purchase Date: _____

NextLink ® Video Communications – Advanced Technology Products
® 1999-2015 NextLink Video Communications - All Rights Reserved

The NextLink ® and StarLink Wireless ® brand names and logos are registered trademarks of NextLink Video Communications. Use of these brand names and associated trademarks, logo's, etc. for commercial purposes without the prior express written consent of NextLink Video Communications, is a violation of U.S. Trademark and Copyright laws.

This User Guide to Operations, and any associated materials, are proprietary products of NextLink and may not be copied, reproduced, in whole or in part, without the written consent of NextLink ® Video Communications / StarLink WireLess ® Products Division.

Disclaimer

This manual is supplied for informational purposes only, and is subject to change without notice. Every effort has been made to ensure that the information contained in this User Guide to Operations manual is accurate and complete. NextLink Video Communications assumes no responsibility or liability for any errors or inaccuracies that may appear in this manual, and reserves the right to make any changes to any products described or listed herein at any time without notice. NextLink does not assume any responsibility or liability arising out of the application or use of the product(s) described herein, except as expressly agreed to in writing by NextLink Video Communications, nor does it convey a license under any patent right, copyrights, trademark rights, or any other of the intellectual property rights of NextLink Video Communications or third parties. Third party company and product names mentioned herein are trademarks of their respective owners. Mention of third party products is for informational purposes only and constitutes neither an endorsement or recommendation. All rights reserved.



FCC ID: WPSSL-1525-T8RX1

© 1999-2015, NextLink Video Communications - All Rights Reserved

The "NextLink" and "StarLink WireLess" brand names are Registered United States Trademarks and Products of NextLink Video Communications, and owns all Registered Trademarks and retains the copyright in this manual and all associated user documentation. The information in the documentation is believed to be accurate and reliable. However, NextLink Video Communications assumes no responsibility for its particular use, and reserves the right to revise documentation and user manuals without notice.

Mfg by NEXTLINK Video Communications
Advanced Technology & OEM Products Division
Tucson, AZ. 85748 U.S.A.

Phone: + 520-886-1340 Fax: + 520-886-1517

Prices & Specifications Subject to Change without notice

NEXTLINK Video Communications
Advanced WireLess Products
User Guide - Effective 8/15/2015

GENERAL INFORMATION AND SAFETY INFORMATION

Please read the following instructions carefully for your safety and to prevent damage to the unit.

- Do not use the product in extreme heat, cold, dusty or humid environments.
- Your StarLink Transmitter has been specially plated and coated to prevent damage to its finish. The specially formulated coating has also been designed to protect against surface abrasion, and to prevent corrosion.
- Clean the surface areas with a clean lint free cloth to maintain its appearance and functionality
- Avoid dropping the product. It may damage the internal hardware components.
- The product is not water proofed. Please do not spill any liquid into the unit.
- Do not wipe the surface of the product with benzene, acetone or lacquer based thinners, as it may damage the finish.
- Do not attempt to dismantle, re-assemble or alter the product arbitrarily.
- Disassembling or breaking the anti-tamper security seal will void any Factory Warranty.
- When the product is operating, the surface temperature may increase slightly. This is normal.

RF Exposure Warning

The antennas used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be located or operating in conjunction with any other antenna or transmitter.

NEXTLINK Video Communications

Advanced WireLess Products

User Guide - Effective 8/15/2015

OVERVIEW

Thank you for purchasing your new StarLink Wireless Video Transmitter.

The ST1525-T8 is a very unique and specialized device. It represents the state of the art in 2.4 GHz transmitter technology.

This User Manual will show you how to connect the transmitter and the ease and simplicity of its use.

The purpose of this combined electronic circuitry is to receive audio and video data from the customer's camera or video source test device, translate that data into an analog signal and then transmit that signal out to a data receiver where it is translated back into usable data that can be seen and heard.

The audio/video enclosure has on the front, a control panel consisting of an On and Off switch to power the circuitry of radio frequency output 2.4GHz.

An SMA connector is also located on the front control panel where an antenna is connected to the transmitter through the enclosure. This SMA connector is a radio transmission output.

The back panel of the audio/video enclosure has a BNC connector input where a video composite from the customer's camera is processed and then transmitted out. A regular audio input jack and a RCA audio input jack on the back panel is used to input audio from the customer's camera into the audio/video enclosure to be processed.

A four pin locking DC power connector located on the back panel, is used to connect DC power from the customer's power source or camera battery, to the transmitter device. The back panel also has two ¼-20 threaded mounting holes for mounting the transmitting enclosure to the customer's camera, or device(s).

Mfg by NEXTLINK Video Communications
Advanced Technology & OEM Products Division
Tucson, AZ. 85748 U.S.A.

Phone: + 520-886-1340 Fax: + 520-886-1517

Prices & Specifications Subject to Change without notice

NEXTLINK Video Communications
Advanced WireLess Products
User Guide - Effective 8/15/2015

FEATURES

- **Easy to Use**
- **Lightweight SlimLine Design**
- **StarLink ChannelMASTER External Channel Select - External positive action StarLink Rotary Channel Select. Quick & Easy One Click selection of all Channels !**
- **StarLink VariPOWER™ - Provides Wide DC Input Power Range**
- **Designed for convenient & flexible AC or DC operation**
- **Flexible SmartPOWER™ System – Regulated Auto Sensing 9v ~ 48v DC Power**
- **Precision Machined 6061 T6 Aluminum Alloy Housing**
- **Super LightWeight Ruggedized Construction Designed and Built for Field use**
- **StarLink Video BOOST System**
- **Bright Confidence LED – positive transmitter status Day or Night**
- **Broadcast Quality Construction**
- **Exclusive StarLink Anti-Stat Plating**
- **Exclusive StarLink Anti-Corrosion Coating**
- **StarLink “LINEGUARD™ Power Safety System - Protects transmitter damage from crossed power connection**
- **WaterProof On & OFF Power Switch and Confidence LED Positive-Action 4 Pin Locking On & OFF Switch with Daylight LED**
- **Heavy Duty Two Position Dual ¼-20 Mounting System - Provides Easy Mounting to any Camera at any Angle !**

Mfg by NEXTLINK Video Communications
Advanced Technology & OEM Products Division
Tucson, AZ. 85748 U.S.A.

Phone: + 520-886-1340 Fax: + 520-886-1517

Prices & Specifications Subject to Change without notice

NEXTLINK Video Communications

Advanced WireLess Products

User Guide - Effective 8/15/2015

PACKAGE CONTENTS

Your StarLink WireLess ST1525-T8 Transmitter Kit Includes:

- StarLink ST1525-T8 Transmitter – 1
- StarLink 4 pin locking DC Power Cable ~ Amphenol – 1
- User Guide - 1



FRONT View



TOP View



DC Power Cable *

INSTALLED CONNECTORS

Model: ST1525-T8

- Video: BNC
- Audio: Standard RCA
- Power: Locking Mini SwitchCraft
- Antenna: Standard SMA

Options and Notes:

AC Power Adapter is NOT included for model ST1525-T8 Transmitter(s).

* StarLink PowerMAX® Plus Heavy Duty DC Power Cable sold separately. Allows Connecting ST1525-T8 Transmitter models direct to External 9v ~ 40v DC Power Packs.

Warranty: Full 90 Day Parts & Labor Limited Factory Warranty.

SERVICE NOTE

THIS EQUIPMENT IS TO BE SERVICED BY AUTHORIZED NEXTLINK SERVICE CENTER PERSONNEL ONLY.

NextLink Video Communications U.S.A.

Mfg by NEXTLINK Video Communications
Advanced Technology & OEM Products Division
Tucson, AZ. 85748 U.S.A.

Phone: + 520-886-1340 Fax: + 520-886-1517

Prices & Specifications Subject to Change without notice

NEXTLINK Video Communications

Advanced WireLess Products

User Guide - Effective 8/15/2015

SIZE

- Metric: 83 mm L x 80mm W x 18mm H
- U.S. Std : 3.25 L x 3.25 W x .75 H

Weight

- Weight : 100 gr

POWER REQUIREMENTS

This device may accept a DC Power Source of + 9 VDC to + 40 VDC
- Negative GROUND
+ Positive DC Power 12 VDC

ANTENNA TYPE

This device is designed for use with an Industry Standard SMA Antenna
Use with other types will damage the transmitter and antenna connector.
Use of an incorrect type of antenna will damage the transmitter, and is not covered by any type of Factory Warranty.

ANTENNA WARNING

- **DO NOT POWER ON WITHOUT ANTENNA !**

This Transmitter must NOT be Powered ON or Used without First attaching the Antenna !
Damage to the transmitter will occur, which is not covered by any Factory Warranty !

- **DO NOT TIGHTEN THE SMA ANTENNA NUT !**

Do Not Tighten the SMA Antenna Nut !

The SMA Antenna Nut has been Pre-Torqued at the Factory during assembly to the proper specs. Overtightening the SMA Nut will damage, and possibly shear off the connector and damage Transmitter. This type of damage is not covered by any type of Factory Warranty.

NEXTLINK Video Communications
Advanced WireLess Products
User Guide - Effective 8/15/2015

SETUP - CONNECTING & USE

The StarLink ST1525-T8 Transmitter has been designed and engineered to be Simple and Easy To Use right out of the box. It can be connected and Ready-to-Use in a few minutes upon receiving, by following the 4 EZ Steps listed below.

Important Do Not Apply Power, or Attempt to Power On until the Antenna is Attached !

- Begin setup and installation by FIRST attaching the Antenna !
This is most important to prevent accidentally damaging the transmitter.

- Select your Video Input Source
Connect your Video Input Source to the BNC Connector

- Select your Audio Input Source
Connect your Audio Input Source (if used) to the RED
RCA connector.

- Select DC Power Source
Connect the DC Power Input Cable to the "DC IN" power
Jack on the transmitter.