

## Specifications

### 300UPR Receiver

Frequency Range	UHF 240-Channel Selectable (794.000 – 805.950MHz)
Type of Reception	Antenna Diversity Receiver
Oscillator	PLL Synthesized
RF Squelch Level	15dB $\mu$
Frequency Response	50Hz – 15kHz
S/N Ratio	>70dB "A" Weighted
Audio Distortion	<1% @ 1kHz
Operating Temp.	0°C – 45°C (32°F – 113°F)
MIC Out	-64dBm @ 600 $\Omega$ - 3.5mm Mini-Jack (unbalanced) -58dBm @ 600 $\Omega$ - 3.5mm Mini-Jack (balanced)
Power Requirement	2 – 1.5V "AA" Alkaline Batteries - 6 – 8 Hours
Dimensions	63W x 98H x 28.5D mm (2.48W x 3.86H x 1.12D inches)
Weight	Approx. 180g Including Battery (6.35oz)

### 30BT Transmitter

Frequency Range	UHF 240-Channel Selectable (794.000 – 805.950MH)
Oscillator	PLL Synthesized
RF Power	10mW (30mW Max.)
Frequency Response	50Hz – 15kHz
Max. Deviation	$\pm$ 40kHz @ 1kHz Modulation
S/N Ratio	>70dB "A" Weighted
Audio Distortion	<1% @ 1kHz
MIC Sensitivity	$\pm$ 5kHz @ -60dBm MIC Input (0dBm=+0.775V) - 3.5mm Mini-Jack
Operating Temp.	0°C – 45°C (32°F – 113°F)
Power Requirement	2 – 1.5V Alkaline "AA" Batteries - 8 – 10 Hours
Dimensions	63W x 98H x 28.5D mm (2.48W x 3.86H x 1.12D inches)
Weight	Approx. 170g Including Battery (6oz)

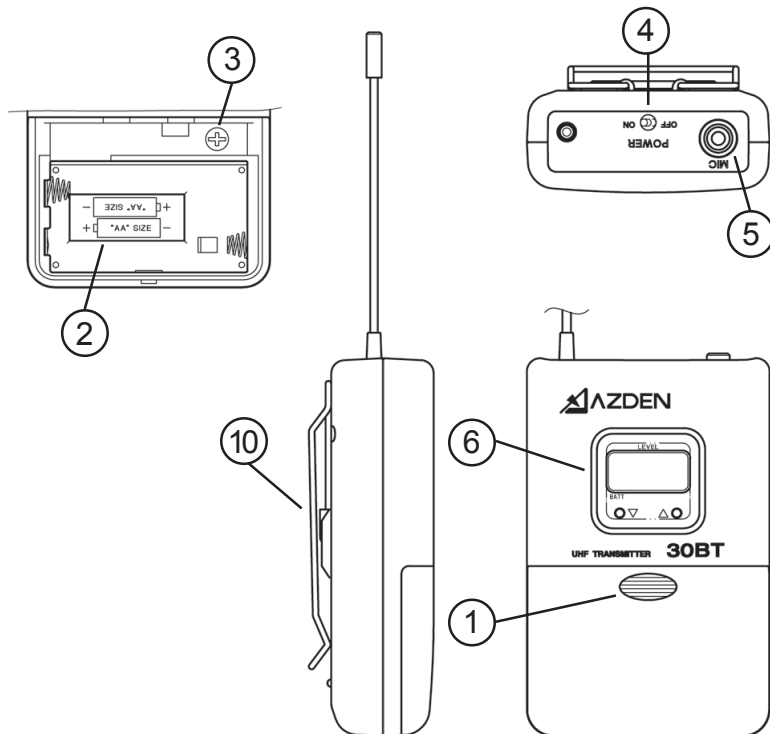
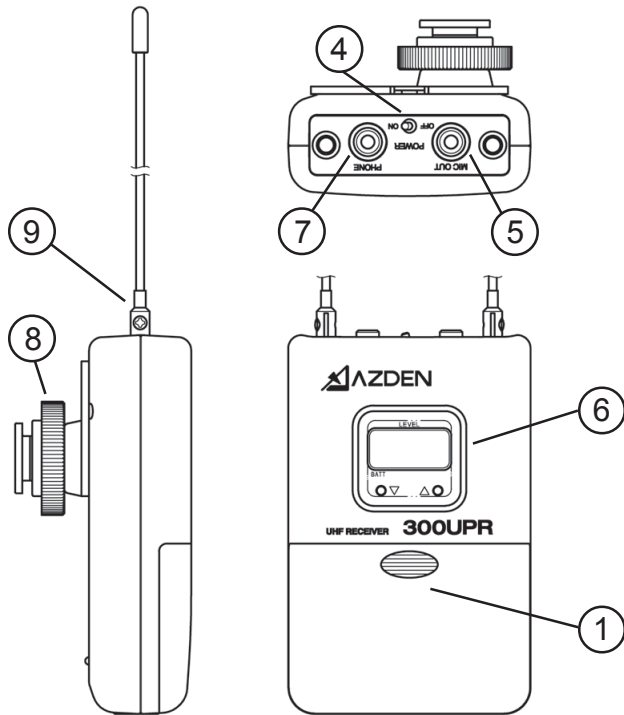
## 300LT SYSTEM User's Guide

### 300UPR • 30BT ON-CAMERA UHF WIRELESS MICROPHONE SYSTEM



*Due to constant improvements, specifications are subject to change without notice.*  
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**sound through the receiver's phone output. If the sound is distorted lower the mic input level on the transmitter. If there is not enough volume raise the mic input level on the transmitter.**

**Important information**

Licensing of this, or any Azden wireless equipment is the user's responsibility. The ability to receive a license depends largely on the user's classification, application and frequency. Contact the appropriate agency (FCC in the US) for further information.

These devices comply with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) These devices may not cause harmful interference, and (2) These devices must accept any interference received, including interference that may cause undesired operation.

NOTE: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

These devices and their antenna(s) must not be co-located or operated in conjunction with any other antenna or transmitter.

desired channel, numbered from 1 to 240. Once the desired channel number has been selected on the transmitter, set the receiver to the same channel number.

### Operating the system

Because this is a frequency agile system, the receiver and transmitter must be on the same channel number. To change the channel number, use the tip of the provided tool and press the UP or DOWN button to the desired channel. Make sure both the receiver and transmitter are on the same channel.

### 300UPR Receiver

After installing new batteries, mount the receiver to your video camera with the supplied shoe mount or hook & loop fastener. Select one of the supplied cables and connect the output cable to the receiver and to the microphone input on the video camera. Switch the 300UPR to “ON” and the battery level indicator should come on. If it does not, check the battery. Plug an earphone into the phone jack to monitor sound. Adjust the phone volume as necessary. When the 300UPR receives a signal from the transmitter the reception level indicator will come on. If it does not make sure both the receiver and transmitter are on the same channel.

### 30BT Transmitter

Plug in the supplied lapel microphone and clip it to your subject. The microphone should be placed 4-12 inches from your subject’s mouth. Clip the transmitter to a belt using the supplied belt-clip (10) or place it in a pocket. Switch the 30BT to “ON” and the battery level indicator should come on. If it does not, check the battery. Have someone speak into the microphone as you monitor the

Thank you for purchasing Azden’s 300LT wireless system, which consist of the 300UPR receiver, 30BT transmitter and EX-503L lapel microphone. This equipment is designed primarily for video cameras but is usable with most electronic components having a microphone level input.

### RECEIVER (300UPR)

(1) Remove the battery compartment lid by sliding it down.

(2) Insert two fresh alkaline “AA” batteries into the compartment. Make sure the battery polarity is correct as marked inside the battery compartment.

In addition to the battery, inside the battery compartment you will find:

(3) Phone level output adjustment: Using the supplied tool, turn the dial clockwise to increase earphone output level. Turn the dial counterclockwise to decrease earphone output level.

(4) Power

Switches the Receiver “On” or “Off”.

(5) Mic Output Jack

The 300UPR is supplied with two cables.

For mini jack microphone inputs: Use the supplied mini-to-mini cable. Plug the end of the cable with one black band into the receiver. Plug the end of the cable with the two black bands into the microphone input of the video camera.

For 3-pin XLR microphone inputs: Use the supplied mini to XLR cable. Plug the mini end of the cable into the

receiver. Plug the XLR end of the cable into the microphone input of the video camera.

#### **(6) LCD Display**

This display shows the following information.

**Channels:** Numbered from 1 to 240

**Battery Condition:** Using a 3 step indicator. (1 Low to 3 High)

**Reception Level:** Using a 4 step indicator. (1 Low to 4 High)

**To change the channel number:** Use the tip of the tool provided and press the UP or DOWN button to the desired channel, numbered from 1 to 240. Once the desired channel number has been selected on the receiver, set the transmitter to the same channel number.

#### **(7) Phone Jack**

Plug an earphone into this jack to monitor the sound. You can use mono or stereo headphones.

#### **(8) Shoe Stand**

Attach the 300UPR to the shoe mount of the video camera, by sliding it into place. Turn the thumbwheel clockwise to tighten. Reverse this procedure to remove the 300UPR from the camera.

#### **(9) Antennas**

For best reception the antennas should be pointed in an upward fashion. Use caution, and do not force them into this position.

### **BODYPACK TRANSMITTER (30BT)**

**(1) Remove the battery compartment lid by sliding it down.**

**(2) Insert two fresh alkaline “AA” batteries into the compartment. Make sure the battery polarity is correct as marked inside the battery compartment.**

**In addition to the battery, inside the battery compartment you will find:**

#### **(3) Mic Input Level Control**

The Mic Input Level control enables you to adjust the input level of the microphone. Using the supplied tool, turn the dial clockwise to increase, or counterclockwise to decrease the input level.

#### **(4) Power**

Switches the Transmitter “On” or “Off”.

#### **(5) Mic Input Jack**

Plug the supplied EX-503L microphone into the Mic Input Jack and tighten the collar until snug. (DO NOT OVERTIGHTEN) In addition other lapel and/or headset microphones with 3.5mm mini plugs can also be used with the 30BT.

#### **(6) LCD Display**

This display shows the following information.

**Channels:** Numbered from 1 to 240

**Battery Condition:** Using a 3 step indicator. (1 Low to 3 High)

**To change the channel number:** Use the tip of the tool provided and press the UP or DOWN button to the