

# UR 7 0 0

UHF Wireless Microphone System



Telex®

# UR7

## UHF Wireless Microphone System

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Telex Communications, the unrivaled innovator in UHF wireless, has done it again. Never before has so much value been available in a professional UHF wireless microphone system. The UR-700 operates in the less crowded UHF frequency band of 690-725 MHz, virtually assuring interference free performance. Multiple system operation (up to ten systems) is possible on compatible groups of pre-set frequencies. An industry best three year parts and labor warranty covers all UR-700 products.

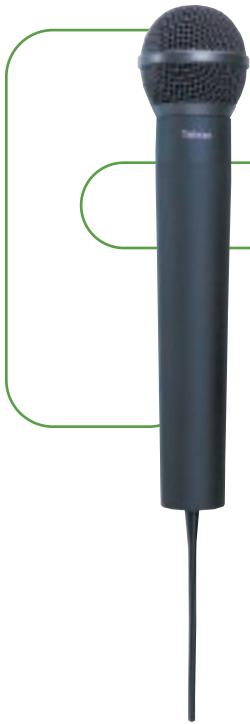
### Posi Phase Diversity

The UR-700 utilizes Telex's Posi Phase auto diversity circuit. Unlike other types of diversity which receive with only one antenna at a time, Posi Phase utilizes both antennas at all times. This results in a stronger signal from the microphone for cleaner audio and greater range. If the microphone signal begins to go out of phase (a common cause of "drop outs" with other types of diversity) the Posi Phase circuit adjusts the phase angle between the two antennas receiving circuits to prevent phase cancellation. The action is indicated by the 0 and 180 degree diversity lights on the front panel.



### Features

A back lit front panel provides an easily distinguishable display of RF, Diversity, and Audio Level status. Additionally, a front mounted squelch adjustment provides for fine tuning of precise squelch levels. The rear panel features dual TNC connectors for antenna mounting. These provide superior electrical and mechanical performance to other connectors. This is especially important when employed with UHF frequencies. Balanced XLR Mic Level and adjustable unbalanced line level outputs make the UR-700 adaptable to almost any P.A. system. A power cord retainer helps prevent inadvertent removal of power supply.



## **HT-700** Handheld Microphone Transmitter

The HT-700 Handheld Microphone Transmitter features a tapered design, with a slip resistant rubberized finish. This provides for a positive feel, as well as a reduction in handling noise. A recessed power switch and raised mic on/off switch provide tactical feel for both operations. A low battery indicator alerts user when a change is necessary. Internally, a 9 volt battery provides 8 to 12 hours of use under normal operating conditions. A gain control allows adjustment to the level of the audio circuit. The HT-700 is available with a choice of both dynamic and condenser heads.



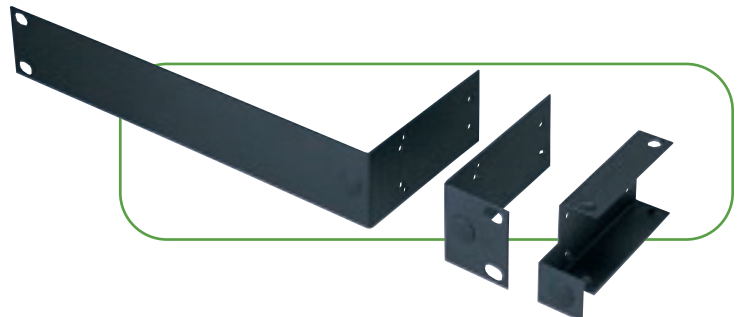
## Beltpack Transmitter **WT-700**

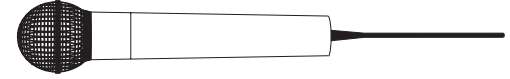
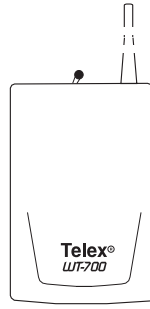
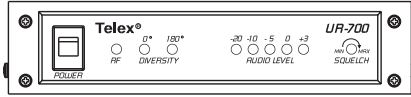
The WT-700 Beltpack Transmitter is a compact, rugged design suitable for most any portable application. A sliding, recessed power switch inhibits inadvertent turn off. A raised bat handle style audio toggle switch provides positive feel when worn on belt or concealed under clothing. A TA4 style mic connector adapts to virtually any type of lapel microphone, and provides a locking connection to keep microphone in place. The metal belt clip is a 90 degree, rotatable design that allows vertical or horizontal orientation. The captive style battery door opens to provide access to the 9 volt battery that powers the unit. Typical battery life of the WT-700 is 8 to 12 hours under normal operating conditions. A top mounted low battery light alerts user when battery requires changing.



## Inclusive **Rack Mounts**

For added convenience, the UR-700 is supplied with rack mounts for both single and double mounting in a 19" equipment rack. The rack ears have knock outs that allow for front mounting of antennas (when used in conjunction with part No. 878978 front connector mounting kit).





## Telex UR-700

### Specifications

**RF Frequency Range:** 690 to 725 MHz

**Channels:** One (within TV Channels 50 to 56)

**RF Stability:** 0.005%

**Modulation Type:** FM, 40 KHz nominal

**Type:** Double Conversion, 65.75 MHz and 10.7 MHz

**IF Bandwidth:** 230 KHz, -3 dB points

**Image Rejection:** 65 dB or better

**Squelch:** Amplitude, adjustable

**Audio Output:** XLR Jack (mic level)  
22 mV RMS/200 ohm (max) 1/4" Jack (line level)  
adjustable 0.775 V RMS/100k load (max)

**Receiver Sensitivity:** Less than 0.8  $\mu$ V for 12 dB SINAD

**Diversity:** Full Time True Diversity. Both antennas are employed at all times to maximize signals.

**RF Selectivity:** 4 Pole Helical Filter

**Signal-to-Noise Ratio:** 104 dB

**Approvals:** FCC, Notification, Part 15

**Dimensions:** 7.5" W x 1.25" H (no antenna) x 7.75" D

**Weight:** 2 lb., 1 oz.

**Part Number:** 71241XXX

## Telex WT-700

### Specifications

**Frequency of Operation:** 690 to 725 MHz

**Channels:** One

**Power Output:** 10 mW

**Antenna:** Permanently attached

**Modulation:** FM,  $\pm$  40 KHz Deviation nominal,  
50  $\mu$ s pre-emphasis

**Frequency Response System:** 50 Hz to 15000 Hz

**Microphone:** Dynamic or Electret, +5 VDC Bias

**DC Power:** 9 VDC

**Battery Life:** 8 - 12 Hours

**Battery Indicator:** LED

**Approvals:** FCC, Part 74H, Industry Canada, RSS123

**Dimensions:** 2.6" W x 4.5" H (no antenna) x 1.25" D

**Weight:** 3.5 oz.

**Part Number:** 71242XXX

## Telex HT-700

### Specifications

**Frequency of Operation:** 690 to 725 MHz

**Channels:** One

**Power Output:** 10 mW

**Antenna:** Permanently attached

**Modulation:** FM,  $\pm$  40 KHz Deviation nominal,  
50  $\mu$ s pre-emphasis

**Frequency Response System:** 50 Hz to 15000 Hz

**Microphone:** Dynamic or Electret

**DC Power:** 9 VDC

**Battery Life:** 8 - 12 Hours

**Battery Indicator:** LED

**Approvals:** FCC, Part 74H, Industry Canada, RSS123

### ELECTRET:

**Dimensions:** 9.25" L (no antenna) x 2" max Dia.

**Weight:** 5.9 oz. (no battery)

**Part Number:** 71245XXX

### DYNAMIC:

**Dimensions:** 9.75" L (no antenna) x 2" max Dia.

**Weight:** 9.7 oz. (no battery)

**Part Number:** 71244XXX (Audix OM-3 mic)

Distributed by:

# Telex®

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