

# TELEX<sup>®</sup>

# FMR-500 UHF

## WIRELESS MICROPHONE SYSTEM

UHF

AGILE

1112  
FREQUENCIES

UP TO  
10+  
SIMULTANEOUS  
SYSTEMS

***Power,  
Performance,  
Flexibility, and  
Simplicity.***



### Key Features

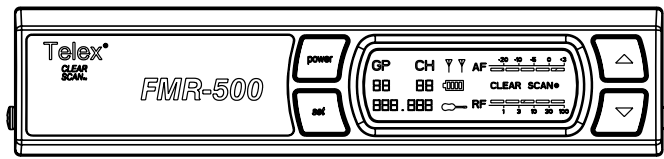
- Up to 10 systems can operate simultaneously from the pre-set groups of channels in one operating band. Groups of 16 coordinated channels between the two bands are also pre-set.
- Advanced ClearScan™ and one touch Auto ClearScan automatic group and channel selections, for quick and easy system setup.
- Completely programmable in 25kHz steps across 28MHz for 1112 possible frequencies
- Backlit receiver LCD display shows the Group/Channel, Frequency, transmitter battery status, diversity operation, and RF and Audio level meters.
- Balanced XLR audio output for Microphone or Line level signals and a 1/4 inch line level jack to match any application.
- Fourth generation Posi-Phase™ diversity and advanced audio circuits provide maximum range and professional sound quality.
- Includes single and dual rack mount hardware with front mount antenna cables.
- “Smart” battery circuit means there is no way to put the battery in wrong.
- Tone Code plus Amplitude squelch with one button on/off.
- Three year warranty.

The FMR-500 brings professional features and performance to the small and medium sized wireless microphone installs that are so popular today. One touch Auto ClearScan™ selects the clearest channel in the clearest group of compatible channels in just seconds with the push of one button. The new HT-500 programmable handheld microphone transmitter is the smallest Telex has ever built and it has a screw-on battery cover that also hides the controls, and an LCD display. Choose the EV® N/D 767a dynamic microphone or the EV RE410 condenser microphone for high quality vocal performance. The WT-500 bodypack transmitter features a cell phone style beltclip, dual latching battery door, and a TA4 connector with a wide variety of lapel and headworn microphone options. The combination of sound and RF features are hard to beat at twice the price.

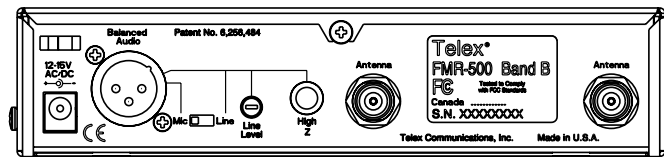
# TELEX® FMR500 UHF WIRELESS MICROPHONE SYSTEM

## SPECIFICATIONS

### FMR-500 Receiver



FRONT PANEL



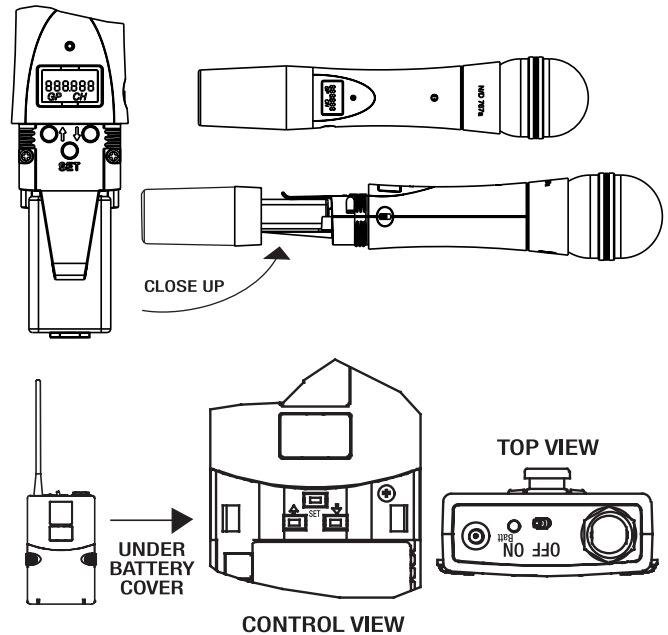
REAR PANEL

Receiver Type	Synthesized PLL
Frequency Range (RF)	A Band 648 – 676 MHz B Band 696 – 724 MHz
Number of Channels	1112 possible frequencies Programmable in 25 kHz steps
Modulation	+/- 40 kHz
Diversity	Digital Posi-Phase™ True Diversity
RF Sensitivity	< 1.0 mV for 12 dB SINAD
Image Rejection	> 60dB
Squelch	Tone Code plus Amplitude
Ultimate Quieting	> 100dB
FCC Certification	Approved under Part 15
Power Requirements	12 V AC/DC 300mA
Operating Temperature	-7° to 49° C (20° to 120° F)
Dimensions	1.72" H x 7.5" W x 5.9" D 43.69mm H x 190.50mm W x 150mm D

#### AUDIO PARAMETERS:

Frequency Response	50 – 15kHz +/- 2dB
Balanced Output	(max @ 40kHz deviation)
Mic Position	-10dBV
Line Position	adjustable 10mV - 2V RMS
Unbalanced Output	adjustable 10mV - 1V RMS
Distortion	<1.0%, 0.5% typical (ref 1kHz, 40kHz deviation)
Signal-to-Noise Ratio	>100dB A Weighted
Dynamic Range	>100dB

### Transmitters WT-500 and HT-500



Radiated Output	30 mW typical
Microphone Head ElectroVoice 767a	N/D 767a supercardioid N/DYM Dynamic
Microphone Head ElectroVoice RE410	RE410 cardioid condenser
Standard Lavalier Microphone	ELM-22S MicroMini™ Omni-Directional Condenser
TA4 Connector Wiring	Pin 1: Ground; Pin 2 Mic Input; Pin 3: +5V bias; Pin 4: +5V bias through a 3k Ohm resistor
Audio Gain Adjustment	40 dB (26dB HT500)
Power Requirements	9 Volt Alkaline Battery
Battery Life (Typical)	> 8 hours with 9-Volt Alkaline Typical
Bodypack Antenna	Flexible external 1/4 wave
Handheld Antenna	Internal 1/2 wave
Dimensions (Handheld)	9.4 in. (24.0cm) Long
Dimensions (Bodypack)	3.8 in. H x 2.38 in. W x 0.92 in. D 96.5 mm H x 60.5 mm W x 23.4 mm D



### TELEX COMMUNICATIONS

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