

ENG

UHF WIRELESS MICROPHONE SYSTEMS



C R - 1 2 U



E N G - 1 0 0



E N G - 5 0 0

Telex®

WHEN THE WORDS NEED TO BE HEARD ... CHOOSE TELEX ENG PRODUCTS.

You're making a sound decision when you choose Telex ENG products. From news gathering operations to live performance communications to event videography, we've got your wireless audio needs covered. Acclaimed for superior RF and audio performance, the Telex line of portable UHF receivers and accessories is built to withstand the rigors of delivering audio for video under any circumstance you may encounter. You'll also enjoy the ultimate in flexibility because Telex ENG products are designed to interface with nearly any audio system or camera.



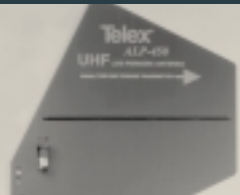
DC-GM
Anton Bauer™ "Sandwich" Mount

Allows the ENG-100 or ENG-500 to be sandwiched between the camera and an Anton/Bauer™ battery. Made with Anton/Bauer™ supplied parts. It is fully compatible with Anton/Bauer™ Gold Mounts and Digital Gold Mounts.



DC-SM
Anton Bauer™ Side Mount Plate

Attaches ENG-100 or ENG-500 to Anton/Bauer™ brand side mount accessory.



Accessories – For the ENG-100 and ENG-500 only

CR - 12 U

THE LOW-COST HIGH-QUALITY ALTERNATIVE

Now professional videographers can get high-quality UHF wireless speech reception without breaking their equipment budget — with the Telex CR12U. This economical UHF receiver features compact construction and user-friendly operation, with both balanced and unbalanced output to interface with any audio system. Ideal for event videography, the CR12U features a single channel crystal controlled receiver and utilizes a single intermediate frequency — a combination that gives you highly stable operation with superior interference rejection. The CR12U is powered by a single 9V alkaline battery, which gives you 6-8 hours of uninterrupted service, or via a DC power jack. Additional features include a headphone output, a squelch level control, audio level control (selectable mic/line option) and headphone volume control.



F R E Q U E

Q U A L

ENG - 100

THE PERFORMANCE LEADER

The versatility of the Telex ENG-100 makes it the UHF receiver of choice for a wide range of environments. Designed to perform reliably under the harsh conditions of news gathering, the ENG-100 is also appropriate for event or corporate video, industrial and institutional applications. This rugged, compact receiver, which offers 100 channel frequency agility, delivers superior audio performance on any of 100 selectable channels in the 668 to 746 MHz RF frequency range. Two integral antennas and a built-in Posi-Phase diversity system assure reception in the most difficult situations. Two AA alkaline batteries supply power to the unit. The ENG-100 also features an internal headphone amplifier and an adjustable audio output control to accommodate any situation from news gathering operations to live performances.



ALP-450 Log Periodic Antenna Mount Kit

The ALP-450 is a broadband directional log periodic antenna designed for use with the ENG-500 receiver. It will receive any frequency from 450 to 900 MHz. The "gain" of this antenna enables it to receive signals from a greater distance than a typical whip type antenna. The kit consists of a Telex ALP-450 antenna equipped with a clamp that attaches to any standard 5/8" diameter light stud, and a one-foot TNC to Lemo interconnect cable.



DC-UM Universal Strap Mount Kit

The DC-UM is a universal mounting device that fits virtually any video camera. The adjustable, self-locking Velcro strap ensures a secure mount.

DC-NP1 Standard NP-1/BP-90 Mount Kit

The DC-NP1 allows the ENG-100 and ENG-500 to be mounted on a standard NP-1 or BP-90 battery holder. It can be easily installed and removed with thumb screws.



ENG - 500

PERFORMANCE AND FLEXIBILITY IN AN ENG/ETP

For electronic news gathering and electronic field production, we have the receiver you need to sound your best. The Telex ENG-500 offers top-of-the-line performance with crystal-controlled frequency agility, Posi-Phase true diversity operation and tone-coded squelch. It's the first product in its class to offer all of these features plus superior audio performance. One look at the ENG-500 tells you you're dealing with a serious piece of equipment. Its tough, all-metal aircraft alloy case and water resistant seals are designed to keep trouble out. Convenient side-mounted controls and indicators to allow the camera operator to view receiver functions while shooting. Two removable 1/4" wave antennas are instantly field replaceable with optional Telex ALP-TM log periodic antennas, whereby an additional 6 dB of signal gain can be realized.



SPECIFICATIONS



	CR - 12 U	ENG - 100	ENG - 500
RF Frequency Range	710 to 722 MHz	668 to 680 MHz & 734 to 746 MHz	524-608 MHz and 614-760 MHz
RF Sensitivity	Less than 1.3 μ V for 12 dB SINAD	Less than 1.0 μ V for 12 dB SINAD	0.5 μ V for 12 dB SINAD
RF Stability	0.005% or better	0.005% or better	0.005% or better
Channels	1	100	2
Modulation Type	FM, 40 KHz nominal	FM, 40 KHz nominal	FM, 40 KHz nominal
Receiver Type	Dual conversion, 34.7 & 10.7.MHz I.F.	Single conversion, 10.7 MHz I.F.	Single conversion, 10.7 MHz I.F.
Image Rejection	65 dB	65 dB or better	75 dB or better
Hum and Noise	-100 dB	-100 dB	-125 dB
Squelch	Fixed, internal, noise	Fixed, internal, 31.250 KHz tone + amplitude	Fixed, internal, 32.768 KHz tone + noise
Squelch Quieting	100 dB	100 dB	125 dB
Squelch Level	1.5 μ V	1.5 μ V	1.5 μ V
Ultimate Quieting	90 dB	90 dB	110 dB
Diversity	None	Phase Diversity	Phase Diversity
Audio Output			
Headphone	16 to 32 Ohms	16 to 32 Ohms	16 to 32 Ohms
Line Out	4.3 dBV into 600 Ohms	None	6 dBV into 600 Ohms
Mic Out	-30 to -63 dBV into 200 Ohms	-10 to -60 dBV into 200 Ohms	-10 to -60 dBV into 200 Ohms
Audio Frequency Response	50-15,000 Hz +/- 3dB	50 to 15,000 Hz +/- 1 dB	50 to 15,000 Hz +/- 1 dB
Audio Distortion	Less than 2%	Less than 1%	0.5%
Signal-to-Noise Ratio	83 dB	110 dB	110 dB
Input Power	9v alkaline battery or 9 to 24 vDC external	2 AA Size alkaline batteries or 9 to 17 vDC external	9 volt alkaline battery or 9 to 17 vDC external
Temperature Range	-4°F to 130°F (-20°C to 55°C)	-4°F to 130°F (-20°C to 55°C)	-4°F to 130°F (-20°C to 55°C)
Battery Life (Alkaline)	6-8 Hours	6-8 Hours	6-8 Hours
FCC	Part 15	Part 15	Part 15

"Anton/Bauer" is a trademark of Anton Bauer Corp.

Telex[®]

TELEX COMMUNICATIONS, INC.

9600 Aldrich Avenue. South • Minneapolis, Minnesota 55420 U.S.A.

Telephone: (612) 884-4051 • Fax: (612) 884-0043 • E-mail: pro.sound@telex.com • Web: www.telex.com