

PERSONAL
listening systems



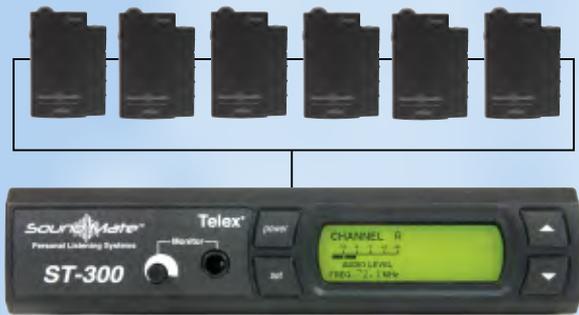
SoundMate



The *SoundMate*™

Personal Listening System

Telex SoundMate™ personal listening systems help overcome background noise and poor building acoustics that can make listening difficult for the hearing impaired listener. A Telex base station, portable belt pack transmitter, your choice of receivers, and a wide assortment of accessories allow you to meet the needs of individuals who require hearing assistance. These listening systems are even compatible with a variety of hearing instrument styles for hearing aid users. Let Telex, the acknowledged leader in personal assistive listening products, help you select the system that's right for any listening environment.



AUDIO SOURCE: Amplifier, Direct Microphone, or Mixer.

System Versatility - A sound system amplifier, mixer or wired microphone can plug directly into the ST-300 base station transmitter. The ST-300 then sends the audio signal to an *unlimited* number of personal receivers.

T R A N S M I T T E R S



BACK



FRONT

ST 300

ST-300 TRANSMITTER The ST-300 Base Transmitter features 17 user selectable frequencies digitally controlled from the front panel control buttons, a headphone jack with adjustable level for input signal monitoring, and a backlit LCD display that shows Channel, Frequency and Audio Input Level. On the back of the unit is a balanced XLR-3F as well as an unbalanced 1/4" input. Front panel controls and LCD display allow the user to select mic, line, and 70 volt input options, attenuate the input levels and change hi/low RF transmit power. A new feature called Enhanced Dynamic Range (E.D.R.) works with the SR-400 receiver to provide clearer, more dynamic audio.



FRONT

TOP

PST 170

THE PST-170 BELT PACK TRANSMITTER

The PST-170 Belt Pack Transmitter may be set to any one of the 17 channels which is displayed on the backlit LCD, and operates on frequencies in the 72-76 MHz band. It is lightweight, battery operated and includes a small lapel microphone for convenient portable use. The PST-170 has two audio input jacks. The Auxiliary input is designed to allow the use of audio devices such as teacher's aids or tape players. The second jack is normally used with a microphone and is located on the top panel. The PST-170 is also compatible with the E.D.R. feature of the SR-400.

R E C E I V E R S



FRONT



TOP

SR 400

THE SR-400 17 CHANNEL RECEIVER is the perfect solution to multiple transmitter hearing assistance systems. The SR-400 features an advanced digital PLL synthesizer to tune all 17 narrow-band frequencies offered in the 72-76 MHz band and a backlit LCD display. The receiver also includes a special high frequency contour filter and boost switch to increase the intelligibility of the audio signal, and E.D.R. for increased dynamic range. Additional features include a battery saving automatic power shutoff when the earphone is unplugged.

THE SR-50 SINGLE CHANNEL RECEIVER provides clear reception and the simplicity of a fixed channel. This economical receiver operates on one of 17 fixed narrow-band frequencies in the 72-76 MHz band. Ergonomic raised volume control knob make level adjustments easily accessible by feel. Recessed headphone jack provides extra protection for earphone connections. Two AA batteries give up to 30 hours continuous battery life.



TOP

SR 50



FRONT

S Y S T E M S



SM 2

SM-2 SYSTEM Includes:

- (1) ST-300 base transmitter,
- (4) SR-50 receivers
- (4) SEB-1 earbuds
- (1) SoundMate wall plaque.
- (SM case sold separately).

SMP 2



SMP-2 SYSTEM Includes:

- (1) PST-170 portable belt pack transmitter
- (6) SR-50 single channel receivers
- (6) HED-2 collapsible headphones
- (14) AA Alkaline batteries
- (1) Deluxe system carrying case
- (1) HM-2 head worn microphone
- (1) User manual for SR-50 and PST-170

B A T T E R Y C H A R G E R

BC 100



THE BC-100 BATTERY CHARGER

charges two SR-50's, SR-400's or PST-170's or any combination of transmitters and receivers.

ACCESSORIES

- A** NL-4S Neckloop Assembly
(for use with hearing aids equipped with telecoils)
- B** HED-2 Collapsible Lightweight Headphone
- C** HED-3 Full Cushion Noise Reduction Headphones
- D** AFC-1 Under Chin Eartube
(for use with CMT-98 and Telethin Earphone Driver)
- E**
 - CMT-98 5' Cord
 - EH-S/EH-L Earshell Holder for Telethin Drivers
 - RTV-04/RTW-04/RTR-04 Telethin Earphone Driver
- F** DEB-2 Dual Earbud *with cord*
- G** SEB-1 Single Earbud *with cord*
- H** CCS-12 Replacement Cushion Covers
(Package of 12, for SEB-1, DEB-2 and HED-1 earbuds)
- I** HED-1 Ultra Lightweight Headphone
- J** HM-2 Head Worn Mic
- K** PH-21 Noise Canceling Head Worn Mic
- L** OLM-10 Mic *(Supplied with PST-170)*
- M** HGA-1 1/2 Wave Dipole Gain Antenna



NOT SHOWN RM-S Single Rack Kit
RM-D Double Rack Kit

SPECIFICATIONS

There are 17 standard frequency options for the following products:
72.1, 72.2, 72.3, 72.4, 72.5, 72.6, 72.7, 72.8, 72.9, 74.7, 75.3, 75.4, 75.5, 75.6, 75.7, 75.8, 75.9 MHz

TRANSMITTERS	
ST-300 17-CHANNEL TRANSMITTER (CATALOG NO. 71912-000)	
RF Frequency Range	72 to 76 MHz
Modulation:	FM ± 25 KHz deviation
Signal-To-Noise Ratio	58 dB (77 dB with E.D.R.)
Maximum Deviation	± 25 KHz
Audio Input	Balanced XLR-3F and unbalanced 1/4"
Antenna	1/4" wave telescoping omnidirectional
Audio Controls	Audio input level, monitor jack volume, E.D.R.
Power Requirements	13-20 Vdc or 12 Vac; 115Vac 60 Hz @ 300 mA plug-in wallpack power supply
Dimensions	H 1-3/4" (4.5 cm) x W 7-1/2" (19.2 cm) x D 5.9" (15 cm)
FCC ID	B5DM522
Backlit LCD Display	Ch., Freq, Audio Meter, Input setup, RF level, and E.D.R.
RF Output Power @ 3M	
Normal	25K μ V/m
High	80K μ V/m
PST-170 17-CHANNEL TRANSMITTER (CATALOG NO. 71914-000)	
Audio Input Characteristics	Mic TA4M connector, 7.75 mV RMS input for ± 25 KHz deviation. Impedance, 10K Ohms, nominal. Aux. Input, Female 3.5mm. 100mV Unbalanced, 100K Ohm nominal
Antenna	Permanently attached trailing wire
Modulation:	FM ± 25 KHz deviation
Frequency Response (System)	100 Hz to 10,000 Hz
System Signal-To-Noise	58 dB (77 dB with E.D.R.)
Pre-emphasis	115 μ seconds
Maximum RF Power	80K μ V/m @ 3 m
Power Requirements	(2) AA batteries, Alkaline, NiMH or NICAD 8 hours Alkaline, 8 hours NiMH, 4 hours NICAD
FCC ID	B5DM521

In accordance with Federal Communications Commission (FCC) rules and regulations, Telex SoundMate personal listening systems are intended only for use in providing auditory assistance to the handicapped and are not intended for use by the general public.

RECEIVERS	
SR-400 17-CHANNEL RECEIVER (CATALOG NO. 71913-000)	
Power Requirements	(2) AA batteries, Alkaline, NiMH or NICAD 20 hours Alkaline, 16 hours NiMH, 8 hours NICAD
Audio Frequency Response	<3 dB Variation (100 Hz-10 KHz)
Modulation:	FM ± 25 KHz deviation
Sensitivity	0.5 μ V typical, 1.0 μ V maximum, 12 dB SINAD
Image Rejection	>65 dB
Signal-To-Noise Ratio	>77 dB with E.D.R.
Distortion	<2% T.H.D.
Audio Output @ 10% distortion	into 8 Ohms: 2.0V / 15mW 3.0V / 80mV into 32 Ohms: 2.0V / 10mW 3.0V / 50mW
Antenna Type	omnidirectional in earphone cord
Audio Controls	Volume, On/Off, High frequency boost control, E.D.R.
Earphone Connector Type	3.5 mm stereo or mono
Dimensions	H 4" (101 mm) x W 2-3/4" (70 mm) x D 1" (25 mm)
Visual Indicators	Backlit LCD Channel, Hi Freq, E.D.R.
Charger Contacts	Bottom of unit
FCC	Complies with Part 15
SR-50 RECEIVER (CATALOG NO. 71155-XXX*)	
Power Requirements	(2) AA batteries, Alkaline, NiMH or NICAD 30 hours Alkaline, 20 hours NiMH, 10 hours NICAD
Audio Frequency Response	<3 dB Variation (100 Hz-10 KHz)
Sensitivity	0.5 μ V typical, 1.0 μ V maximum, 12 dB SINAD
Signal-To-Noise @ 1 mV Input	>60 dB
Distortion	<2% T.H.D.
Audio Output @ 10% distortion	into 8 Ohms: 2.0V / 15mW 3.0V / 80mV into 32 Ohms: 2.0V / 10mW 3.0V / 50mW
Antenna Type	omnidirectional in earphone cord
Controls	Volume/On/Off Switch
Dimensions	H 4" (101 mm) x W 2-3/4" (70 mm) x D 1" (25 mm)
Visual Indicators	Red LED On Indicator
Earphone Connector Type	3.5 mm stereo or mono
Charger Contacts	Bottom of unit
FCC	Complies with Part 15

* The last three digits in the transmitter catalog number (XXX) will be determined by the frequency that is selected.