

PERSONAL  
listening systems



*Sound Mate™*



# The *Sound Mate*™ 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.

**System Versatility** - A sound system amplifier, mixer or wired microphone can plug directly into the ST-200 base station transmitter. The ST-200 then sends the audio signal to an *unlimited* number of personal receivers.



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

ST 200



### THE ST-200 BASE TRANSMITTER

features 16 user selectable frequencies controlled by a front mounted selector switch, a headphone jack with adjustable level for input signal monitoring, and a peak reading LED display for visual input monitoring. On the back of the unit is a balanced XLR-3F with selectable mic, line, and 70 volt input options, as well as an unbalanced 1/4" input. An input attenuator and hi/low RF power switch as additional back panel features.



PST 16

### THE PST-16 BELT PACK TRANSMITTER

may be set to any one of the 16 channels, and operates on frequencies in the 72-76 MHz band. It is lightweight, battery operated and includes a small electric lapel microphone for convenient portable use. The PST-16 has two audio input jacks. The Auxiliary input is designed to allow audio devices such as teacher's aids or tape players. The second jack is normally used for microphone and is located on the top panel.

# R E C E I V E R S



**ST 100**

FRONT

**THE SR-100 16 CHANNEL RECEIVER** is the perfect solution to multiple transmitter hearing assistance systems. The SR-100 features an advanced digital PLL synthesizer to tune all 16 narrow-band frequencies offered in the 72-76 MHz band. The receiver also includes a special high frequency contour filter and boost switch to increase the intelligibility of the audio signal. 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 16 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.



**ST 50**

FRONT

# S Y S T E M S

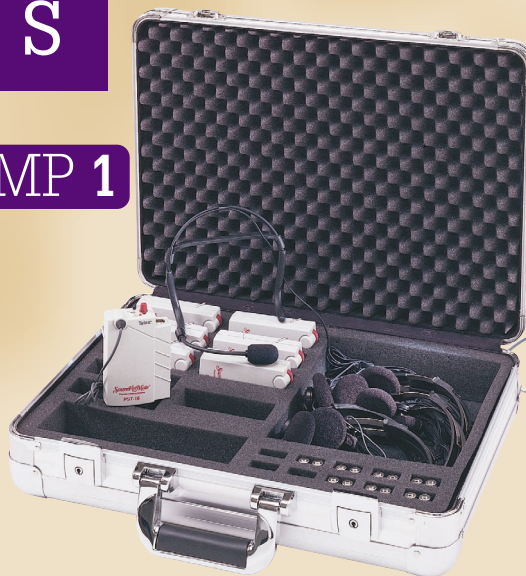


**SM 1**

**SM-1 SYSTEM Includes:**

- (1) ST-200 base transmitter,
  - (4) SR-50 receivers
  - (4) SEB-1 earbuds
  - (1) SoundMate wall plaque.
- (SM case sold separately).

**SMP 1**



**SMP-1 SYSTEM Includes:**

- (1) PST-16 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) SCHS-745 head worn microphone
- (1) User manual for SR-50 and PST-16

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



**THE BC-100 BATTERY CHARGER**

charges two SR-50's, SR-100's PST-16'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** SCHS-745 Headwork Mic
- K** PH-21 Noise Canceling Headworn Mic
- L** WLM-50 Mic *(Supplied with PST-16)*
- M** HGA-1 1/2 Wave Dipole Gain Antenna



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

## SPECIFICATIONS

There are 16 standard frequency options for the following products:  
72.1, 72.2, 72.3, 72.4, 72.5, 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-200 16-CHANNEL TRANSMITTER (CATALOG NO. 71218-000)

RF Frequency Range	72 to 76 MHz
Modulation: FM	±25 KHz deviation
Signal-To-Noise Ratio	58 dB (64 dB A weighted)
Maximum Deviation	±25 KHz
Maximum Rated Power	50 mW
Audio Input	Balanced XLR-3F plus unbalanced 1/4"
Antenna	1/4" wave omnidirectional whip
Audio Controls	Audio input level, monitor jack volume
Power Requirements	15-24 Vdc or 13 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 6-7/8" (17.5 cm)
FCC ID	B5DM508
Visual Indicators	5 segment audio level LED, power ON indicator
RF Power Switch	80K µV/m @ 3 m in hi 25K µV/m @ 3 m in low

#### PST-16 16-CHANNEL TRANSMITTER (CATALOG NO. 71255-000)

Audio Input Characteristics	Mic TA4M connector, 7.75 mV RMS input for ±25 KHz deviation. Impedance, 10K Ohms, nominal. Aux. Input, Female 1/8". 100 mV Unbalanced, 10K Ohms, nominal
Antenna	Permanently attached trailing wire
Modulation: FM	±25 KHz deviation
Frequency Response (System)	100 Hz to 10,000 Hz
Automatic Gain Control Range	30 dB
System Signal-To-Noise	58 dB
Preemphasis	100 µ seconds
Maximum Power	80K µV/m @ 3 m
Power Requirements	(2) AA batteries, Alkaline or NICAD 8 hours Alkaline, 4 hours NICAD
FCC ID	B5DM509

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-100 16-CHANNEL RECEIVER (CATALOG NO. 71156-000)

Power Requirements	(2) AA batteries, Alkaline or NICAD 30 hours Alkaline, 10 hours NICAD
Audio Frequency Response	<3 dB Variation (100 Hz-10 KHz)
Modulation: FM	±25 KHz deviation
Sensitivity	0.5 µV typical, 1.0 µV maximum, 12 dB SINAD
Image Rejection	>65 dB
Signal-To-Noise Ratio	>65 dB
Distortion	<2% T.H.D.
Audio Output @ 10% distortion	into 8 Ohms: 2.0V / 15mW 3.0V / 80mW into 32 Ohms: 2.0V / 10mW 3.0V / 50mW
Antenna Type	1/4 wave omnidirectional, in earphone cord
Audio Controls	Volume, On/Off, High frequency boost control
Earphone Connector Type	3.5 mini stereo or mono
Dimensions	H 4" (101 mm) x W 2-3/4" (70 mm) x D 1" (25 mm)
Visual Indicators	Backlit On/Tuning indicator
External Jack	Audio Output/Charger
FCC ID	B5DE405

#### SR-50 RECEIVER (CATALOG NO. 71155-XXX\*)

Power Requirements	(2) AA batteries, Alkaline or NICAD 30 hours Alkaline, 10 hours NICAD
Audio Frequency Response	<3 dB Variation (100 Hz-10 KHz)
Sensitivity	0.5 µV typical, 1.0 µV 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 / 80mW into 32 Ohms: 2.0V / 10mW 3.0V / 50mW
Controls	Volume/On/Off Switch
Dimensions	H 4" (101 mm) x W 2-3/4" (70 mm) x D 1" (25 mm)
Visual Indicators	Backlit On/Tuning indicator
External Jack	3.5mm Audio Output/Charger
FCC ID	B5DE401

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

**TELEX**

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