There are 17 standard frequency options for the following products:

- PST-170 17-CHANNEL TRANSMITTER (CATALOG NO. 71914-000)
- PST-300 17-CHANNEL TRANSMITTER (CATALOG NO. 71913-000)
- SR-400 17-CHANNEL RECEIVER (CATALOG NO. 71913-000)
- SR-50 RECEIVER (CATALOG NO. 71915-XXX)

### PST-170 17-CHANNEL TRANSMITTER (CATALOG NO. 71914-000)
- **Audio Input Characteristics**
  - 3.5 mm stereo or mono
  - Sensitivity: 0.5 µV typical, 1.0 µV maximum, 12 dB SINAD
  - Audio Frequency Response (100 Hz-10 KHz)
  - Audio Output @ 10% distortion into 8 Ohms: 2.0V / 15mW
  - Distortion: <2% T.H.D.
  - Signal-To-Noise Ratio: >77 dB with E.D.R.
  - Image Rejection: >65 dB
  - Sensitivity: 0.5 µV typical, 1.0 µV maximum, 12 dB SINAD
  - Audio Frequency Response (100 Hz-10 KHz)
  - Audio Output @ 10% distortion into 8 Ohms: 2.0V / 15mW
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  - Signal-To-Noise Ratio: >77 dB with E.D.R.
  - Image Rejection: >65 dB
  - Sensitivity: 0.5 µV typical, 1.0 µV maximum, 12 dB SINAD

### SR-400 17-CHANNEL RECEIVER (CATALOG NO. 71913-000)
- **Power Requirements**
  - (2) AA batteries, Alkaline, NiMH or NICAD
  - Audio Frequency Response
  - Distortion: <2% T.H.D.
  - Signal-To-Noise Ratio: >77 dB with E.D.R.
  - Image Rejection: >65 dB
  - Sensitivity: 0.5 µV typical, 1.0 µV maximum, 12 dB SINAD
  - Audio Frequency Response (100 Hz-10 KHz)
  - Audio Output @ 10% distortion into 8 Ohms: 2.0V / 15mW
  - Distortion: <2% T.H.D.
  - Signal-To-Noise Ratio: >77 dB with E.D.R.
  - Image Rejection: >65 dB
  - Sensitivity: 0.5 µV typical, 1.0 µV maximum, 12 dB SINAD
  - Audio Frequency Response (100 Hz-10 KHz)
  - Audio Output @ 10% distortion into 8 Ohms: 2.0V / 15mW
  - Distortion: <2% T.H.D.
  - Signal-To-Noise Ratio: >77 dB with E.D.R.
  - Image Rejection: >65 dB
  - Sensitivity: 0.5 µV typical, 1.0 µV maximum, 12 dB SINAD
  - Audio Frequency Response (100 Hz-10 KHz)
  - Audio Output @ 10% distortion into 8 Ohms: 2.0V / 15mW
  - Distortion: <2% T.H.D.
  - Signal-To-Noise Ratio: >77 dB with E.D.R.
  - Image Rejection: >65 dB
  - Sensitivity: 0.5 µV typical, 1.0 µV maximum, 12 dB SINAD

### SR-50 RECEIVER (CATALOG NO. 71915-XXX)
- **Power Requirements**
  - (2) AA batteries, Alkaline, NiMH or NICAD
  - Audio Frequency Response
  - Distortion: <2% T.H.D.
  - Signal-To-Noise Ratio: >77 dB with E.D.R.
  - Image Rejection: >65 dB
  - Sensitivity: 0.5 µV typical, 1.0 µV maximum, 12 dB SINAD
  - Audio Frequency Response (100 Hz-10 KHz)
  - Audio Output @ 10% distortion into 8 Ohms: 2.0V / 15mW
  - Distortion: <2% T.H.D.
  - Signal-To-Noise Ratio: >77 dB with E.D.R.
  - Image Rejection: >65 dB
  - Sensitivity: 0.5 µV typical, 1.0 µV maximum, 12 dB SINAD
  - Audio Frequency Response (100 Hz-10 KHz)
  - Audio Output @ 10% distortion into 8 Ohms: 2.0V / 15mW
  - Distortion: <2% T.H.D.
  - Signal-To-Noise Ratio: >77 dB with E.D.R.
  - Image Rejection: >65 dB
  - Sensitivity: 0.5 µV typical, 1.0 µV maximum, 12 dB SINAD
  - Audio Frequency Response (100 Hz-10 KHz)
  - Audio Output @ 10% distortion into 8 Ohms: 2.0V / 15mW
  - Distortion: <2% T.H.D.
  - Signal-To-Noise Ratio: >77 dB with E.D.R.
  - Image Rejection: >65 dB
  - Sensitivity: 0.5 µV typical, 1.0 µV maximum, 12 dB SINAD

### THERMAL SPECIFICATIONS

- **ST-300 17-CHANNEL TRANSMITTER (CATALOG NO. 71912-000)
- **SR-400 17-CHANNEL RECEIVER (CATALOG NO. 71913-000)
- **SR-50 RECEIVER (CATALOG NO. 71915-XXX)

### PERSONAL listening systems

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

**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.

**THE 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.

**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.

**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.

**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.

**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 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

**THE BC-100 BATTERY CHARGER**

- Charges two SR-50’s, SR-400’s or PST-170’s or any combination of transmitters and receivers.
The **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.

**Telex SoundMate™**

**Telex Communications, Inc.**

Burnsville, MN, USA

February 26th 2004

version 1.0

Blue on CMYK Logo - Pantone 7455

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**Transmitters**

**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.

**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.

**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.

**Systems**

**SM-2 SYSTEM**

Includes:
1. ST-300 base transmitter
2. SR-50 single channel receivers
3. SEB-1 earbuds
4. SoundMate wall plaque.
(SM case sold separately.)

**SMP-2 SYSTEM**

Includes:
1. PST-170 portable belt pack transmitter
2. SR-50 single channel receivers
3. HED-2 collapsible headphones
4. AA Alkaline batteries
5. Deluxe system carrying case
6. HM-2 head worn microphone
7. User manual for SR-50 and PST-170

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**Battery Charger**

The **BC-100 Battery Charger** charges two SR-50’s, SR-400’s or PST-170’s or any combination of transmitters and receivers.
## SPECIFICATIONS

There are 17 standard frequency options for the following products:

- PST-170 17-CHANNEL TRANSMITTER (CATALOG NO. 77914-000)
- SR-400 17-CHANNEL RECEIVER (CATALOG NO. 71913-000)
- SR-50 RECEIVER (CATALOG NO. 71915-XXX)

### TRANSMITTERS

<table>
<thead>
<tr>
<th>Model</th>
<th>Frequency Range</th>
<th>Modulation</th>
<th>Audio Input</th>
<th>Power Requirements</th>
<th>Dimensions</th>
<th>Controls</th>
<th>Antenna</th>
<th>Visual Indicators</th>
<th>FCC ID</th>
</tr>
</thead>
<tbody>
<tr>
<td>ST-300 17-CHANNEL TRANSMITTER (CATALOG NO. 71912-000)</td>
<td>72 kHz to 76 MHz</td>
<td>FM ±25 kHz deviation</td>
<td>Balanced XLR-3M and unbalanced 1/4&quot;</td>
<td>2 AA batteries, Alkaline, NiMH or NICAD</td>
<td>H 1-3/4&quot; (4.5 cm) x W 7-1/2&quot; (19.2 cm) x D 1-1/4&quot; (3.2 cm) x 0.39&quot; (1.0 cm)</td>
<td>Volume/On/Off, High frequency boost control</td>
<td>Antenna permanently attached</td>
<td>Backlit LCD Channel, Hi Freq</td>
<td>B5DM521</td>
</tr>
</tbody>
</table>

### RECEIVERS

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<tr>
<th>Model</th>
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<tbody>
<tr>
<td>SR-400 17-CHANNEL RECEIVER (CATALOG NO. 71913-000)</td>
<td>72 kHz to 76 MHz</td>
<td>FM ±25 kHz deviation</td>
<td>Balanced XLR-3M and unbalanced 1/4&quot;</td>
<td>2 AA batteries, Alkaline, NiMH or NICAD</td>
<td>H 4&quot; (101 mm) x W 2-3/4&quot; (70 mm) x D 1-1/4&quot; (32 mm)</td>
<td>Volume/On/Off</td>
<td>Antenna permanently attached</td>
<td>Backlit LCD Channel, Hi Freq</td>
<td>B5DM521</td>
</tr>
</tbody>
</table>

### PERSONAL LISTENING SYSTEMS

- **ACCESSORIES**
  - NL-40 Neckloop Assembly
  - HED-2 Collapsible Lightweight Headphone
  - HED-3 Full Cushion Noise Reduction Headphones
  - AFC-1 Under Chin Earbud
  - ELM-10 Mic
  - PST-170 17-CHANNEL TRANSMITTER (CATALOG NO. 77914-000)

### ACCOUTORIES

- **AUDIO CONTROL**
  - Volume, On/Off, High frequency boost control, E.D.R.

### TELECOMMUNICATIONS INC.

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- **WWW.TELEX.COM**