

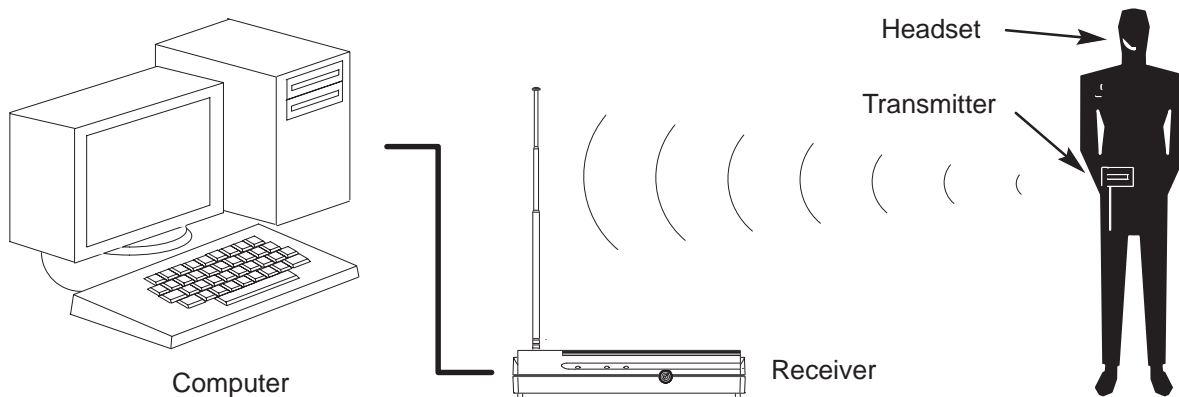


**Shure Brothers Incorporated**  
**222 Hartrey Avenue**  
**Evanston IL 60202-3696 U.S.A.**

Phone: 800-257-4873 Fax: 847-866-2279  
 In Europe, Phone: 49-7131-72140 Fax: 49-7131-721414  
 Internationally, Phone: 847-866-2200 Fax: 847-866-2585  
 Web Address: <http://www.shure.com>

**TCHS COMPUTER WIRELESS SYSTEM**

**Specification Sheet**



**DESCRIPTION**

The Computer Wireless™ microphone system brings the freedom of wireless to computer-based voice communication and voice recognition applications. With the system's headset and transmitter you are free to roam while maintaining a quality voice link with your computer.

**SYSTEM CONTENTS**

The Computer Wireless system includes the following:

- TC1 Transmitter
- TC3 Standard Receiver
- PS20 (120 V) or PS20E (230 V) Receiver Power Supply
- Shure Headset Microphone with Windscreen and Clothing Clip
- DURACELL 9 V Alkaline Battery
- Screwdriver (for setting transmitter gain and receiver squelch)
- Vinyl Transmitter Carrying Bag
- Rubber Feet (for mounting Receiver)
- VELCRO Fastening Strips (for alternate mounting of Receiver)

**RF CARRIER FREQUENCIES**

<u>Model Number</u>	<u>Frequency (MHz)</u>
TCHS-V .....	169.445
TCHS-W .....	171.845
TCHS-AC .....	170.245
TCHS-CA/ETCHS-CA .....	176.200
TCHS-CC/ETCHS-CC .....	177.600
TCHS-CE/ETCHS-CE .....	182.200
TCHS-CF/ETCHS-CF .....	183.600
TCHS-CG/ETCHS-CG .....	186.200
TCHS-CL/ETCHS-CL .....	192.200
TCHS-CQ/ETCHS-CQ .....	202.200
TCHS-CV/ETCHS-CV .....	208.200

**SPECIFICATIONS**

**Operating Range**

100 m (approximately 300 ft) under optimal conditions

**Operating Temperature Range**

-20° to 50° C (-4° to 122° F)

**NOTE:** Battery characteristics may limit this range

**Dimensions**

TC1 Transmitter: 64 mm H x 106 mm W x 24 mm D (2<sup>17</sup>/<sub>32</sub> x 4<sup>3</sup>/<sub>16</sub> x 3<sup>1</sup>/<sub>32</sub> in.)

TC3 Standard Receiver: 35 mm H x 152 mm W x 98 mm D (1<sup>3</sup>/<sub>16</sub> x 6 x 3<sup>7</sup>/<sub>8</sub> in.)

**Cable (Receiver to Computer)**

6 ft, 1/4 in. mono to 1/8 in. stereo  
 Tip: audio  
 Sleeve: shield  
 Ring (1/8 in. plug): not connected



**Net Weight**

TC1 Transmitter: 96.4 g (3.4 oz)  
TC3 Receiver: 192 g (6.8 oz)

**Power Requirements**

TC1 Transmitter: 9 V alkaline battery (DURACELL MN1604 recommended, 1 included); 8.4 V NiCad battery optional  
Battery Life: 18 hours typical with fully charged 9 V alkaline battery, 2 hours typical with fully charged NiCad battery  
TC3 Receiver: 12–18 Vdc nominal, 85 mA

**Transmitter Current Drain**

TC1 Transmitter: 30 mA, typical

**Certifications**

TC1 Transmitter: Type Accepted under FCC Parts 74 and 90. Certified by IC in Canada under TRC-78.  
TC3 Receiver: Approved under the Notification provision of FCC Part 15. Certified by IC in Canada under TRC-78.

**MICROPHONE SPECIFICATIONS**

**Frequency Response** (at 8 mm [<sup>5</sup>/<sub>16</sub> in.])  
50 to 15,000 Hz

**Polar Pattern**

Noise-cancelling, cardioid (unidirectional) response—uniform with frequency, symmetrical about axis

**Output Level** (close-talked at 1,000 Hz)

Open Circuit Voltage: -47.0 dBV (4.5 mV) at 114 SPL (0 dB = 1 V/100 μbar)

**Cable (Headset)**

Attached 1.22 m (4 ft), single-conductor, small-diameter, shielded, rubber-jacketed with right-angle 1/4 in. phone plug

**Net Weight**

60.4 g (2.12 oz) including connector

**FURNISHED ACCESSORIES**

Screwdriver ..... 65A1659  
Receiver AC Adapter ..... PS20 (120 V) or PS20E (230 V)  
Vinyl Transmitter Bag ..... 26A13  
Audio Connector Cable, 6 ft, 1/4 in. to 1/8 in. Plugs ..... C124

**OPTIONAL ACCESSORIES**

Neoprene Bodypack Belt Pouch (for TC1 Transmitter) . WA570

**FCC LICENSING INFORMATION**

**IMPORTANT: FCC or other Telecommunications Authority licensing of Shure wireless microphone equipment is the user's responsibility, and licensability depends on the user's classification and application, and on the selected frequency.** Shure strongly urges the user to contact the appropriate telecommunications authority concerning proper licensing, and before choosing and ordering frequencies.

