

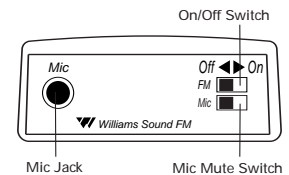
# Hearing Helper™ FM Tour Guide System, Model TGS PRO 720

## Description:

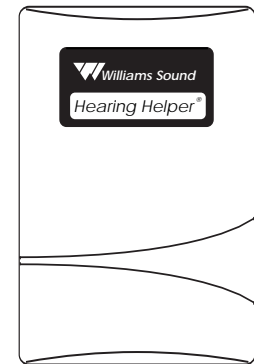
The Hearing Helper™ FM Tour Guide System, model TGS PRO 720, helps tour group members with hearing difficulties overcome background noise and distance from the guide. Use it in factories, museums, power plants—anywhere hearing assistance is needed. System includes one (1) T31 transmitter with MIC 086 microphone, ten (10) R35 receivers, batteries and system carry case. System operates on 72-76 KHz bandwidth for hearing assistance.

### PFM T31 FM Transmitter:

<b>Dimensions:</b>	3-5/8" L x 2-3/8" W x 7/8" H (92.1 mm x 60.3 mm x 22.2 mm)
<b>Weight:</b>	4.4 oz (125 g) with battery
<b>Color:</b>	Royal blue, shatter-resistant polypropylene
<b>Battery Type:</b>	Two (2) AA 1.5 V non-rechargeable Alkaline batteries (BAT 001), 70 mA nominal current drain, 12 hours approx. life (OR) Two (2) AA 1.5 V NiMH rechargeable batteries (BAT 026), 70 mA nominal current drain, 10 hours per charge approx., recharges in 14-16 hours, uses CHG 200 Charger
<b>Operating Freq's:</b>	Selectable, 10 channels, 72.1-75.9 MHz, internal DIP switch
<b>Stability:</b>	+ .005%, frequency synthesized, crystal reference, PLL
<b>Modulation:</b>	Wide-band FM, 75 kHz, 75 µS pre-emphasis
<b>RF Output:</b>	8000 µV/m at 30 m, max., 40 mW typical
<b>FCC ID:</b>	CNM T30
<b>Freq Response:</b>	100 to 10 kHz, + 3 dB at 1% max. THD
<b>Signal-to-Noise Ratio:</b>	55-60 dB, with R31 or R32 Receiver
<b>Auto Gain Control:</b>	40 dB range, 30 mV threshold
<b>Transmit Antenna:</b>	Integral with 39" microphone cord
<b>Microphone:</b>	Noise-cancelling, Headset type, 39 in cord, 3.5 mm mono phone plug (MIC 086)
<b>Controls:</b>	On/Off switch, slide-type Mute switch, slide-type
<b>Mic Connector:</b>	3.5 mm mono phone jack
<b>Warranty:</b>	5 years, parts and labor (90 days on accessories)



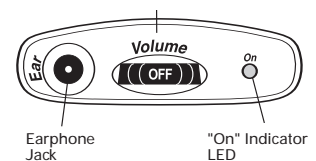
T31 Top



T31 Front

### PPA R35 Receiver:

<b>Dimensions:</b>	4.1" L x 2.85" W x 1.2" H (104.1 mm x 72.4 mm x 30.4 mm)
<b>Weight:</b>	4.5 oz (127 g)
<b>Color:</b>	Gray
<b>Battery Type:</b>	Two (2) AA non-rechargeable alkaline batteries (BAT 001), approx. 100 hours battery life (OR) Two (2) AA rechargeable NiMH batteries (BAT 026), 1400 mA, approx 56 hours battery life
<b>Current Consumption:</b>	Nominal 40 mA
<b>FCC ID:</b>	CNM R35
<b>Industry Canada Cert.:</b>	1360A-R35
<b>Operating Freq.:</b>	Pre-tuned, adjustable, 72 MHz-76 MHz *
<b>Intermediate Freq.:</b>	75 kHz
<b>FM Deviation:</b>	75 kHz
<b>De-Emphasis:</b>	75 µS
<b>AFC Range:</b>	± 120 kHz
<b>Sensitivity:</b>	2 µV at 12 dB Sinad with squelch defeated
<b>Input Overload:</b>	20 mV
<b>Frequency Response:</b>	100 – 15 kHz, ± 3 dB
<b>Signal-to-Noise Ratio:</b>	65 dB at 10 µV
<b>Receive Antenna:</b>	Integral with earphone/headphone cord
<b>Audio Output:</b>	35 mW, max. at 16 Ω
<b>Output Connector:</b>	3.5 mm mono phone jack
<b>Notes:</b>	The R35 Receiver can be field tuned to any of 10 wideband channels using the PLT 005 Tuning Tool.
<b>Warranty:</b>	5 years, parts and labor (90 days on accessories)



R35 Top



R35 Front

Note: \*FCC rules limit the use of the 72-76 MHz band to hearing assistance for the handicapped only.

NOTE: SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE!

# Hearing Helper™ FM Tour Guide System, Model TGS PRO 720

## Contact:

### United States

Williams Sound Corp.  
10321 W. 70th Street  
Eden Prairie, MN 55344  
Ph: 800-328-6190 / 952-943-2252  
FAX: 952-943-2174  
Web: [www.williamssound.com](http://www.williamssound.com)  
Email: [info@williamssound.com](mailto:info@williamssound.com)

### Canada

Thorvin Electronics  
2861 Sherwood Heights Dr. Units 36-37  
Oakville, ON L6J-7K1 Canada  
Ph: 800-323-6634 / 905-829-3040  
FAX: 905-829-4196  
Web: [www.thorvinelectronics.com](http://www.thorvinelectronics.com)

### South America

DPtech  
SIA Trecho 3/4 Lote 335 2°. Andar  
71200-030 Brasília, DF  
BRAZIL  
Ph: (5561) 361-1384  
Fax: (5561) 361-0948  
Web: [www.dpotech.com.br](http://www.dpotech.com.br)  
Email: [ws@dpotech.com.br](mailto:ws@dpotech.com.br)

### United Kingdom

Sound Associates  
Keeble House, 81 Island Farm Road  
West Molesey, Surrey KT 2SA  
United Kingdom  
Ph: (44) 020 8939 5900  
Fax: (44) 020 8939 5901  
Web: [www.soundassociates.co.uk](http://www.soundassociates.co.uk)  
Email: [jmurdoch@soundassociates.com](mailto:jmurdoch@soundassociates.com)

### Asia, Europe, Latin America, Mexico

International Sales Department  
Williams Sound Corp.  
10321 W. 70th Street  
Eden Prairie, MN 55344 USA  
Phone: +1 952 224 7791 or +1 651 493 2578  
Fax: +1 952 943 2174  
Email: [info@williamssound.com](mailto:info@williamssound.com)  
Web: [www.williamssound.com](http://www.williamssound.com)