

NEXT GENERATION WB SYSTEM

Model PPA 375



The Personal PA® 375 FM listening system champions the next generation of hearing assistance technology!

The T35 transmitter features a powerful microprocessor, sleek digital display, and easy-to-use menu controls. Quickly choose between Voice, Music, or Hearing Assistance in the Application Preset menu. The T35 configures

itself to the appropriate setting – taking the guess work out of complex audio installation.

Operating up to 1000 feet, the T35 is ideal for auditoriums, stadiums, theaters, or other large venues where superior coverage is essential.

The PPA 375 comes complete with four stylized single-channel R35 receivers.

Components

- PPA T35 Transmitter with “rubber duckie” antenna (PPA T35)
- Personal Receivers (4) (PPA R35) w/batteries (BAT 001) & earphones (EAR 013)
- Audio Cable, RCA to RCA (WCA 013)
- Power Supply (TFP 016)
- Wall Plaque (IDP 008)
- Instruction Manual
- Channel E, 72.9 MHz (standard frequency)
- 5 Year Warranty*

Applications

- Theaters/Cinemas
- Houses of worship
- Auditoriums
- Classrooms
- Stadiums/Arenas
- Concert Halls
- Any place of public access

DELUXE NARROW-BAND PPA SYSTEM

Model PPA 575



The PPA System 575 features the new T35 transmitter with 77 selectable narrow-band channels, push-button menu controls, and LCD digital display. The R19's superior dual conversion technology lets you use up to 40 channels simultaneously with multiple transmitters. High selectivity provides superior immunity from interference.

The PPA 575 accepts virtually any balanced or unbalanced audio input.

Low noise circuitry and sophisticated audio processor assures super clean audio.

Operates up to 1000 feet coverage and accommodates any number of listeners with compatible receivers.

Components

- PPA T35 Transmitter with “rubber duckie” antenna (PPA T35)
- Personal Receivers (4) (R19/36/66) w/batteries (BAT 001) & earphones (EAR 013)
- Audio Cable, RCA to RCA (WCA 013)
- Power Supply (TFP 016)
- Wall Plaque (IDP 008)
- Instruction Manual
- Channel 36, 72.9 MHz (standard frequency)
- 5 Year Warranty*

Applications

- High radio traffic environments
- Theaters/Cinemas
- Houses of worship
- Auditoriums
- Classrooms
- Stadiums/Arenas
- Any place of public access

Personal PA® Large Area Wide-band FM Systems

FM Hearing Assistance Systems That Meet The Highest Demands

Williams Sound's Personal PA® Systems deliver sound directly to the listener's ear, bypassing the background noise and poor room acoustics sometimes encountered in public facilities.

Anyone who needs help in overcoming background noise, reverberation, and distance from the sound source can benefit from a PPA System.

Personal PA systems feature an FM transmitter which connects to an existing sound system or can be used with its own microphone.

PPA transmitters broadcast up to 1000' over the 72-76 MHz Auditory Assistance Band to any number of listeners using PPA receivers within the listening area.

Personal FM Systems

Eliminate background noise and other distractions. Ensure that the speaker's message is heard by everyone. Try a Personal FM System from Williams Sound. It's perfect for classrooms, job training, consultation and more.

HOW IT WORKS

The message is transmitted by an FM radio signal



Speaker talks into the transmitter's mic



Listeners wear receivers

THE RESULT:

The message is heard by **everyone**, even by those in the back of the room!

Hearing Helper® PFM 350

- Maximizes a student's ability to listen
- Portable, no wires, no hassle
- Hear more clearly in noisy environments
- Overcomes distance from speaker to listener
- Has a range of up to 150 feet
- Will operate up to 60 hours at a time
- May be used with telecoil-equipped hearing aids

5 YEAR WARRANTY

Versatile, high-powered FM technology!



R31 Receiver

The R31 receiver features a sensitive environmental microphone. This gives the listener more flexibility on what they want to hear. By turning on the environmental mic, they can listen to a nearby classmate speak more clearly.



T30 Transmitter

Hearing Helper® PFM 300

- Same great features as the PFM 350 model - without the environmental mic on the receiver.

Super technology, super price!



Each System Includes:			Optional Microphones:	
Mini-Earphone (EAR 013)	Clip-on Microphone (MIC 081)	System Carrying Case	Receiver/Transmitter Case	Head-band Microphone (MIC 086)
				Collar Microphone (MIC 085)

Personal PA® Large Area Wide-band FM Systems

PPA Notes

All Personal PA systems are backed by our 5 year warranty, your assurance of quality and satisfaction. Accessories such as earphones, headphones, microphones, batteries, R35 battery door and belt clip are warranted for 90 days.

All Personal PA transmitters are digital frequency synthesized for easy channel selection and rock solid tuning.

Williams Sound Personal PA Systems can be used to provide hearing assistance in any place of public access. Each fulfills the Americans with Disabilities Act (ADA) accessibility requirement for hearing assistance.

See page 7 for wide-band receivers.

VALUE PACK SYSTEM

Model PPA VPE



The T17 features an audio indicator, audio level adjust, and will accept an unbalanced line-level input or a Williams Sound condenser microphone. The T17 Transmitter and R7 Receivers are field-tuneable to 10 wide-band channels. The T17 connects to the existing sound system or can be used with its own

mic (not included). Listeners use R7 receivers to hear clearly and easily from anywhere in the seating area. A remote antenna (ANT 005) and rack mount kit (RPK 004) are also available. The PPA VPE has an operating range of 300-500 ft.

*90 day warranty on accessories

Components

- Compact Transmitter with "rubber duckie" antenna (PPA T17)
- Personal Receivers (4) (PPA R7E) w/batteries (BAT 002) & earphones (EAR 013)
- Audio Cable, RCA to RCA (WCA 013)
- Power Supply (TFP 008)
- Wall Plaque (IDP 008)
- Instruction Manual
- Channel E, 72.9 MHz (standard frequency)
- 5 Year Warranty*

Applications

- Theaters
- Cinemas
- Houses of worship
- Auditoriums
- Classrooms
- Stadiums/Arenas
- Zoos
- Any place of public access

SELECTED PERSONAL PA® Accessories



Coaxial Antenna Kit (ANT 005)

Extends 22'. This optional antenna can be used with any Personal PA system or large-area FM transmitter. The 50' Antenna Extension Cable (WCA 008 50) can also be used. Provides maximum system range



Whip Antenna (ANT 026)

40" telescoping antenna. The ANT 026 can be used with any Personal PA® system or large-area FM transmitter



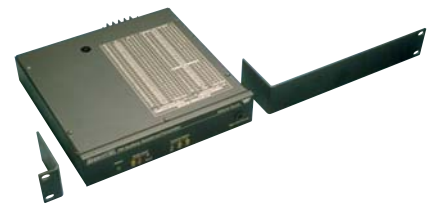
Dipole Wall Mount Antenna (ANT 024)

The ANT 024 can be used with the T17 or T35 transmitters



System Carry Case (CCS 030 S)

This carry case will hold one of the following systems: PPA Value Pack System, PPA 375, PPA 575, Tour Guide System A, Tour Guide System 100, or a total of 8 body-pack style receivers.



Rack Panel Kits

- RPK 004** - Racks a single T17 transmitter only
- RPK 005** - Racks a single Williams Sound transmitter or modulator in one IEC rack space
- RPK 006** - Racks two Williams Sound transmitters or modulators in one IEC rack space



Northeast Total Communications

WIDE BAND RECEIVERS



PPA R35

- Wide-band receiver
- Single-channel
- Field tuneable
- Detachable belt-clip
- Includes 2 AA batteries (BAT 001), & mini-earphone (EAR 013)
- 5 year warranty*
- * Last letter indicates channel A-J



PPA R30

- Wide-band receiver
- Single-channel
- Field tuneable
- Includes 2 AA batteries (BAT 001), & mini-earphone (EAR 013)
- 5 year warranty*
- * Last letter indicates channel A-J



PPA R7-4NA

- Wide-band receiver
- Four channels, Pre-tuned to PPA channels A/C/E/G
Custom channel combinations are available by special order
- Listeners use channel selector knob to hear program of their choice
- Includes 9V Battery (BAT 002)
- 5 year warranty*



PPA R7

- Wide-band receiver
- Single-channel
- Field tuneable
- Includes 9V battery (BAT 002), & mini-earphone (EAR 013)
- 5 year warranty*
- * Last letter indicates channel A-J



PPA R7-6N

- Wide-band receiver
- Six channel, Pre-tuned to PPA channels A/C/E/G/I/J
- Listeners use channel selector knob to hear program of their choice
- Uses 9V Battery
- 5 year warranty*

Available wide-band channels:

Channel	Frequency
A	72.1 MHz
B	72.3 MHz
C	72.5 MHz
D	72.7 MHz
E	72.9 MHz
F	75.5 MHz
G	75.7 MHz
H	75.9 MHz
I	74.7 MHz
J	75.3 MHz

Channels E (72.9 MHz) is standard.

Personal PA® FM Receivers

PPA Receiver Notes:

Wide-band receivers are field-tuneable with the PLT 005 plastic tuning tool.

Narrow-band receivers must be returned to Williams Sound for frequency changes.



Listening Accessories Catalog (CAT 003)

For receiver accessories such as earphones, headphones and batteries, be sure to check out our Listening Accessories Catalog. Download it off the web at www.williamsound.com or call for a complimentary copy: **800-843-3544**.

Personal PA® Large Area Narrow-band FM Systems

Wide-band vs. Narrow-band

Wide-band FM systems are the correct choice when you need:

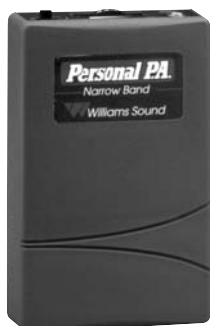
- Lowest Cost
- Limited number of simultaneous channels (6)
- Good rejection of external radio interference
- Highest fidelity for all applications (wider frequency response)

Narrow-band FM systems are the correct choice when you need:

- Highest immunity to outside radio interference
- More simultaneous channels (10+)
- Good fidelity for voice applications (narrower frequency response)

See page 10 for additional receiver information.

NARROW BAND RECEIVERS



PPA R19/*/*

- Narrow-band receiver
- Two-channel, standard channels: 36 & 66
- Listeners use channel selector switch to hear program of their choice
- Includes 2 AA batteries (BAT 001), and mini-earphone (EAR 013)
- 5 year warranty*
- * Numbers indicate channels



PPA R19-6N

- Narrow-band receiver
- Six channels, pre-tuned to PPA channels 4/20/36/66/43/50
- Listeners use channel selector knob to hear program of their choice
- Uses 2 AA batteries
- 5 year warranty*
- Custom channel combinations available by special order

*90 day warranty on accessories

Available narrow-band channels:

Channel	Frequency
36	72.900 MHz
66	75.700 MHz
4	72.100 MHz
12	72.300 MHz
20	72.500 MHz
28	72.700 MHz
58	75.500 MHz
74	75.900 MHz
43	74.700 MHz
50	75.300 MHz

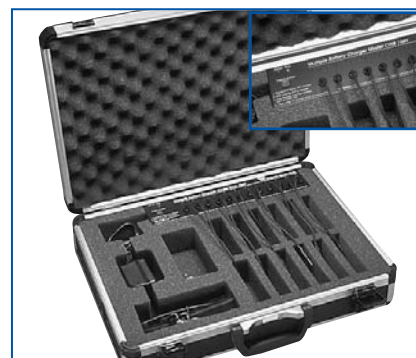
Channels 36 and 66 (72.900 and 75.700 MHz) are standard.

SELECTED PPA RECEIVER *Accessories*



16-Unit Charger (CHG 1600A)

This multi charger is designed for storing and charging up to 16 AA (3V) Williams Sound units. Charges the R30, R31, R32, T30, R19, R19-6N, RX12-4N, RX5, T1-216 and R1-216.



Multiple Charger Case (CHG 1269A)

The Multiple Charger Case is designed to store and charge up to 12 (9V) receivers simultaneously. Charges the R7, RX3, T16, R7-4NA and R7-6N.

FM MONITOR RECEIVER / *Model* PPA R751



Need a remote speaker but don't want to run wire all the way? The PPA R751 may be your answer.

The PPA R751 Monitor Receiver is designed for use with Williams Sound PERSONAL PA (PPA) Wide-band FM Transmitters.

With the R751, small groups of people can listen to the FM broadcast in a cry room, nursery, office area, or any location where a remote speaker is needed and wiring is difficult to run

PPA R751 Accessories (optional)



Floor Stand Kit SS-3

Includes STD 003 standard floor stand and MFL 002 flange and hardware. 5' max. height. Mounts a single R751 monitor receiver or MIC 071 professional microphone.

SB-3

Optional ceiling/wall mounting bracket

Personal PA® FM Receivers

Ideal for:

- Nursery
- Cry Room
- Office Area
- Any remote location!

PPA Receiver Notes:

Wide-band receivers are field-tuneable with the PLT 005 plastic tuning tool.

Narrow-band receivers must be returned to Williams Sound for frequency changes.

PPA Wide-band Frequencies:

The standard frequency for Personal PA systems is Channel E, or 72.9 MHz. Additional available wide-band channels are listed below, along with their PPA letter designator.

Channel	Frequency
A	72.1 MHz
B	72.3 MHz
C	72.5 MHz
D	72.7 MHz
E	72.9 MHz
F	75.5 MHz
G	75.7 MHz
H	75.9 MHz
I	74.7 MHz
J	75.3 MHz

RECEIVER SELECTION CHART

The table below will help you define receiver feature differences.

MODEL	WB/NB	CHANNELS	BATTERY TYPE
PPA R7	WB	1 - Field Tuneable	9V
PPA R7-4	WB	4 - Selector Knob	9V
PPA R7-6	WB	6 - Selector Knob	9V
PPA R751	WB	1 - Field Tuneable	120VAC
PPA R30	WB	1 - Field Tuneable	AA (2)
PPA R35	WB	1 - Field Tuneable	AA (2)
R19/36/66	NB	2 - Selector Switch (not field tuneable)	AA (2)
R19-6	NB	6 - Selector Knob (not field tuneable)	AA (2)
R1-216	WB	1 - Not Field Tuneable	AA (2)

Note: Wide-band receivers are field-tuneable. Narrow-band and 216 MHz receivers are not field-tuneable. Receivers may use either rechargeable (NiMH) or disposable batteries. (Carbon Zinc or Alkaline).