

Customer Service

If you experience difficulty with your system, call Toll-Free for Customer Assistance:

1-800-843-3544 (U.S.A.) or

+1 952 943 2252 (Outside the U.S.A.)

If it is necessary to return the system for service, your Customer Service Representative will give you a Return Authorization Number (RA) and shipping instructions.

This is a quick setup guide. For a detailed user manual, please visit our website.

WILLIAMS AV

info@williamsav.com / www.williamsav.com

800-843-3544 / INTL: +1-952-943-2252

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System Specifications

FM Transmitter, Model PPA T46

Battery Type:	Two (2) AA 1.5 V non-rechargeable Alkaline batteries (BAT 001-2), 75 mA nominal current drain, up to 30 hours battery life, or Two (2) AA 1.5 V rechargeable NiMH batteries (BAT 026-2), 75 mA nominal current drain, up to 20 hours battery life per charge, recharges in 14–16 hours, uses CHG 3502 or CHG 3512 Charger
Operating Frequencies:	Selectable, 17 wideband channels, 72.1 – 75.9 MHz (channels 1-8 correspond with R37-8 receiver channels)
Transmit Antenna:	Integral with microphone cord (required)
External/Menu Controls:	Top: Momentary push button - push and hold 3 seconds for power On/Off, push and release for microphone mute On/Off Front: Left Arrow, Menu, Right Arrow buttons for accessing/changing the transmitter settings
Display:	1" OLED, for viewing transmitter settings
Mic Input:	3.5 mm mono phone jack with electret mic bias, adjustable gain with 25 dB range (in menu)
Aux Input:	2.5 mm stereo phone jack, adjustable gain with 60 dB range (in menu)

System Specifications (Continued)

FM Transmitter, Model PPA T46

Audio Compression:	1:1 (off) or 2:1 (on) ratio, selectable in menu
Compatible Microphones:	MIC 044, MIC 090, MIC 100
Compatible Receivers:	PPA R37, PPA R37-8, PPA R38
Approvals/Directives:	FCC, Industry Canada, RoHS, WEEE
Warranty:	Lifetime PLUS Limited Warranty

Safety Information

HEARING SAFETY

CAUTION!

This product is designed to amplify sounds to a high volume. To protect your hearing and the hearing of others:

1. Make sure the unit is OFF or the volume is turned down before putting on the earphones.
2. Set volume level at the minimum setting you need to hear.
3. Do not allow children or other unauthorized persons to have access to this product.

BATTERY SAFETY

CAUTION!

Do not attempt to recharge alkaline or other non-rechargeable batteries, which may explode, release dangerous chemicals, cause burns, or cause other serious harm to the user or product.

MEDICAL DEVICE SAFETY

CAUTION!

Before using this product with a pacemaker or other implantable medical device, consult your physician or the manufacturer of the device to make sure that you are using this product in accordance with their safety guidelines.

Recycling Instructions

Help Williams AV protect the environment!

Please do not dispose of equipment or used batteries in the household trash. Take the equipment to an electronics recycling center or return to the factory. Take batteries to a retail or community recycling location.

Battery Information

The PPA T46 uses 2 AA batteries. We recommend using Williams AV Alkaline batteries (BAT 001-2) or rechargeable batteries (BAT 026-2) for longer battery life than other brand batteries.

Low Battery Indicator

The “On” indicator on top of the unit will flash to indicate low battery.

Multi Charger CHG 3512

This optional charger is ideal for customers using rechargeable batteries. It will charge up to 12 receivers at one time. See our website or call us for ordering information.

Accessories

To order accessories including microphones, batteries, and chargers, contact Williams AV at **800-843-3544** or order online at: www.williamsav.com.

Note on Interference

Channels which are too close together or produce similar harmonics create interference. Williams AV channel numbers 1-8 have been carefully selected so that they don't interfere with each other. Other frequencies, nearby devices or other transmitters may cause interference.

WILLIAMS AV

PPA T46

Personal PA® FM 72-76 MHz Body Pack Transmitter

QUICK SETUP GUIDE

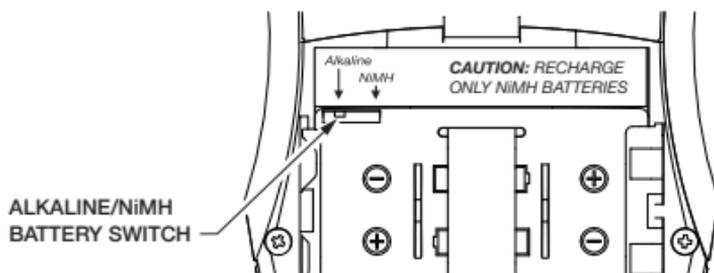


Operating Instructions

1. Open the battery compartment. Slide the battery selection switch to the correct position for the type of batteries that will be used. Use “Alkaline” for non-rechargeable batteries, “NiMH” for rechargeable NiMH batteries (only). (FIG. A)

IMPORTANT: If the battery switch is not in the correct position, damage may be caused to the unit.

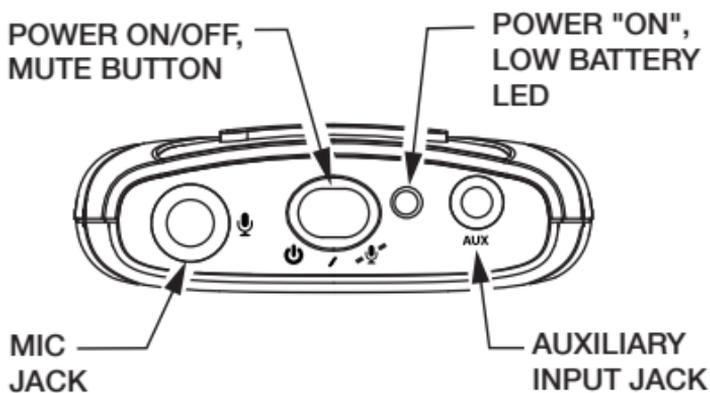
FIG. A: Battery Compartment



2. Install the AA batteries. Be sure to observe proper polarity (+/-). Damage due to improper battery installation may void the warranty on the product. The “Power On” LED on top of the unit will flash when the batteries are getting low; you may continue to use until the unit quits operating, then replace or recharge the batteries. (FIG. A)
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3. Plug in the microphone cord (sold separately) using the “Mic Jack” on top of the transmitter (FIG. B). **Do not curl or wrap the microphone cable. The microphone cable is also the transmitting antenna.**
4. Optionally, plug in a desired audio source such as a CD or MP3 player using the “Auxiliary Input” jack (WCA 087 stereo auxiliary input cable included). If mic and auxiliary sources are used together, the audio will be mixed. If only an auxiliary source is desired, the mic can be muted. **Do not remove the mic from the “Mic Jack” as the cable is also the transmitting antenna** (FIG. B)
5. Turn the unit on: press and hold the “ON/OFF/MUTE” button for three seconds. The “Power On” indicator will illuminate green. (FIG. B)

FIG. B: Top of Transmitter



6. Select the desired operating frequency. Refer to the following channel selection chart. Make sure the transmitter and receiver channels match.

Up to eight T46's can operate simultaneously on different channels. These channels must be used to avoid interference (see "Note on Interference" on page 4.)

See **8-Ch. Mode** in the chart below for recommended channels. (FIG. C)

FIG. C: Channel Selection Chart

17-Ch. Mode	Freq (MHz)	8-Ch. Mode
1	72.1	1
2	72.3	2
3	72.6	3
4	72.8	4
5	74.7	5
6	75.4	6
7	75.7	7
8	75.9	8
9	72.5	
10	72.2	
11	72.4	
12	72.7	
13	72.9	
14	75.3	
15	75.6	
16	75.8	
17	75.5	

7. Change the transmitter to the desired operating frequency. Use the Menu to select any of the 17 available channels on 72-76 MHz. To access the channel setting, push the menu button until you see the channel displayed. Change the channel by pushing the left or right arrow buttons. To access additional settings, push the menu button repeatedly until you see the setting you want. If no buttons are pushed for 30 seconds, the display returns to the main screen and then shuts off to conserve battery power. (FIG. D, FIG. E)

FIG. D: Menu Buttons

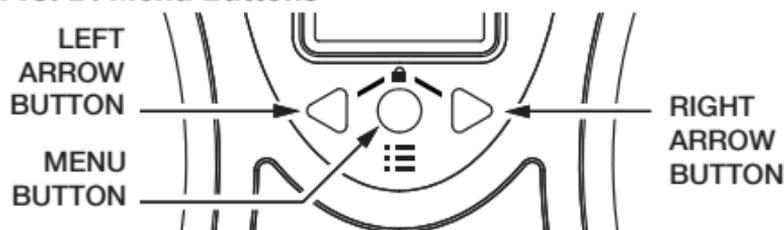
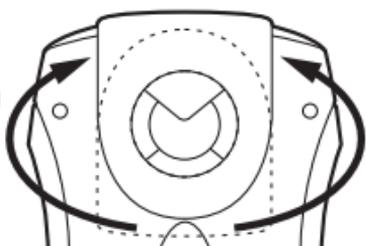


FIG. E: Main Screen



8. To install the belt clip on the rear of the T46, position the belt clip on the back of transmitter. Turn the belt clip 180° left or right to secure the clip. The transmitter can now be clipped onto a belt. To remove, turn the belt clip 180° so the open end of the clip points up, and gently pull the belt clip off. (FIG. F)

FIG. F: Belt Clip Installation



9. Position the headset microphone boom as close to the speaker's mouth as possible without actually touching. Lapel clip microphones should be attached to a collar or lapel, as close to the speaker's mouth as possible
10. When you pause from speaking, mute the microphone by pressing the "ON/OFF/MUTE" button once momentarily. The button will flash. The front display will also indicate the mic is muted. To unmute the mic, press the button once momentarily again.
11. When the T46 transmitter is not being used, turn the unit OFF by pressing and holding the "ON/OFF/MUTE" button for three seconds. The Power On indicator will go off.

Limited Lifetime PLUS Limited Warranty

Williams AV products are engineered, designed, and manufactured under carefully controlled conditions to provide many years of reliable service. Williams AV warrants the T46 against defects in materials and workmanship.

Microphones, earphones, headphones, batteries, chargers, cables, carry cases, and all other accessory products carry a 90-day warranty.

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or +1 952 943 2252 (outside the U.S.A.)

If it is necessary to return the system for service, your Customer Service Representative will give you a Return Authorization Number (RA) and shipping instructions.

Pack the system carefully and send it to:

Williams AV

Attn: Repair Dept.

10300 Valley View Road

Eden Prairie, MN 55344 USA