

## Setting up ProT800 System (using T45 or T35 Transmitter)

1. Interpreter Location: Position the interpreter with the ProT800 system in rear of room (recommended). Use of Interpretation Booth is always recommended.
2. Install the Antenna of T45/T35 transmitter. Thread antenna at top of transmitter.
3. Connect the Transmitter Power: Plug the power supply cord into "Power In" jack located on back of the T45/T35.
4. Select the Channel: The T45/T35 has 8 major channels in the 72-76 MHz band. To change the frequency on the T45/T35 enter into menu screen. Each language will use their own transmitter and transmit on a unique channel. Use channel guide to select transmission channel for each language.
5. T45/T35 must be on "Line Level" to operate correctly in menu screen. (Input Source)
6. Make sure transmitter audio level is between -10db and 3db.

## IC-2 Interpreter Console

6. Connect microphones to "Mic Input" (pink plug) on sides of the IC-2 console.
7. Connect the IC-2 Interpretation Console Power to rear of IC-2.
8. Connect the headphone to the "Electret Mic Jack" (green plug)
9. Connect audio feed from sound system to "Floor In" on IC-2 using XLR cable
10. Confirm feed by hearing audio on headset.
11. Connect "Norm" / "Channel 1" to "Line/Mic In" in rear of transmitter.
12. Test by making sure you can hear interpreter microphones on Receivers.

**Adjusting Audio:** Use "Mic Level" adjustment knob located next to each "Mic Jack" on side of IC-2. Refer to audio Level LED located on backside of IC-2.  
 Never On = Audio is TOO LOW. Blinks occasionally = Audio is OPTIMAL  
 Always on = Audio is TOO HIGH

**Optional:** Floor language may be transmitted by connecting 2nd transmitter to "Relay"/"Channel 2" output. Activating or deactivating output selector on IC-2 redirects interpreters voice and floor signal to appropriate transmitters.

**Additional Languages:** More languages may be added by daisy-chaining IC-2's with CAT5 cable to share Floor audio amongst additional IC-2's. The "Relay" function is automatically available through the CAT5 cable. Each language requires it's own transmitter and will be configured to broadcast on a unique channel.

## Your system is ready to be used.

The interpreter will be able to adequately listen to the presentation/s in their headset and in turn will be able to transmit their voice wirelessly into the room. Your attendees will be able to hear all interpretation on their receivers once they select the channel and language they choose to listen to. Each person will adjust their volume independently on their receiver.

## Operating the Receiver

Turn the receiver on by rotating the volume control knob. The ON indicator should illuminate RED. Choose from 8 standard channels. Turn the channel selector knob to the desired channel.

**IMPORTANT:** Make sure the receiver channel matches the transmitter frequency!

Adjust the volume to a comfortable listening level. To turn the receiver off, rotate the volume control knob to the left until it clicks off. The ON indicator should not be lit. To prolong the battery life of the unit, turn the receiver off when it is not in use.

## Receiver Management Suggestions

Different types of facilities will use different approaches for receiver management and earphone sanitation. Below are some options that customers have used successfully.

- Regular users purchase their own receiver and take care of their own batteries and earphone.
- Some facilities label the receiver and earphone with the names of regular users so each person uses the same receiver and earphone.
- The receivers can be stored in a multiple compartment storage case with a credit card or driver's license left as collateral for the receiver.
- Regular users purchase their own earphone or headphone and bring them to use with receivers at the facility.

If you experience difficulty with your system, call Toll-Free for customer assistance:

**1.888.283.2001**



| Channel Guide |          |
|---------------|----------|
| Freq. (MHz)   | R35-8 CH |
| 72.1          | 1        |
| 72.3          | 2        |
| 72.6          | 3        |
| 72.8          | 4        |
| 74.7          | 5        |
| 75.4          | 6        |
| 75.7          | 7        |
| 75.9          | 8        |

# ProT800 Setup Guide

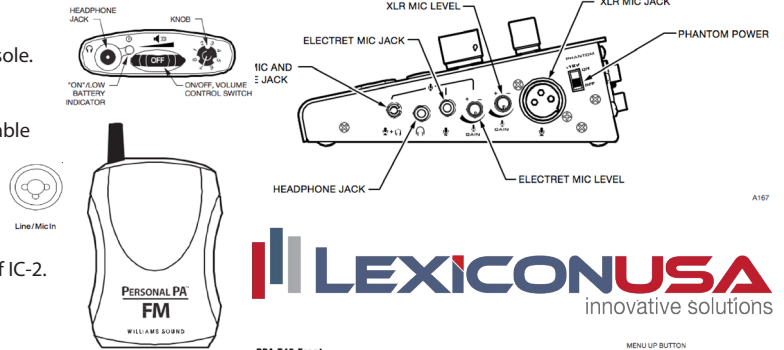
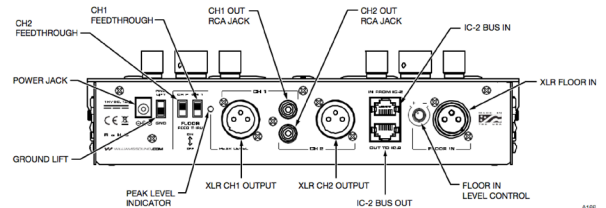
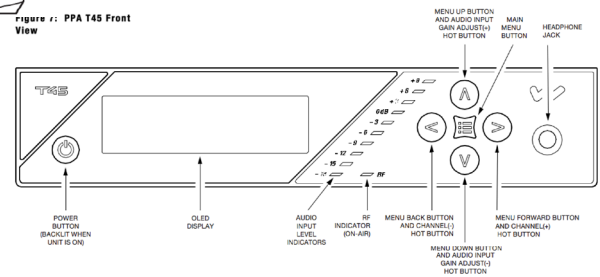


Figure 1: PPA T45 Front View



## Troubleshooting Guide

### The T45 "RF" (On Air) Indicator is not on

- Ensure the transformer (TFP 048) is plugged and any remote power switch is on.
- Ensure the electrical outlet is on.
- Ensure the power button on the front of the Transmitter is pressed to the "on" position.
- Ensure the RF output is not set to "OFF"
- The RF will time-out and shut off if audio is not present for a period of time (see menu)

### Noise or Distortion in the Audio

- Noise in the audio source. To find out, disconnect the audio cable. If the noise disappears your noise problem is in the source.
- Ensure the Audio Source configuration is set to Line Level.
- Check to see if the Audio Input level is set too high.
- Check for ground loops or noise on the input signal.

### Noise in audio "grows" when program is silent

- The Audio Level Control may be set too high. You're probably also seeing the +6 level indicator lighting all the time. To correct, adjust the Audio Level

### No Reception

- Ensure the antenna on the transmitter has been connected correctly.
- Check the RF Output Power setting. It should be "FULL", "MEDIUM" or "LOW" power.
- Ensure the FM receiver is ON and batteries are properly installed.
- Ensure the FM receivers are operating on the same frequency as the T45.

### Insufficient range, good reception near transmitter, poor at a distance

- Ensure the transmitting antenna was installed and call our offices to notify
- Ensure the transmitting antenna is not in an unsuitable location.
- A strong interfering signal may exist. Ensure the transmitter and antenna are correctly installed. Set the transmitter to FULL power output. If this does not solve the problem, try operating the transmitter on a different channel/frequency.

### Users must turn receiver volume controls way up to get enough volume

- Insufficient audio level may be the problem. Correct the Audio Gain control setting by adjusting it until the sound level peaks between 0 and 6 dB.
- Check your batteries.

### Users complain of too much noise during soft audio.

- The Audio Level control may be set too high. Adjust the Audio Level, carefully noting the Level Indicator. The +6 LED should light occasionally.

### Buzz in other equipment when transmitter is on or off

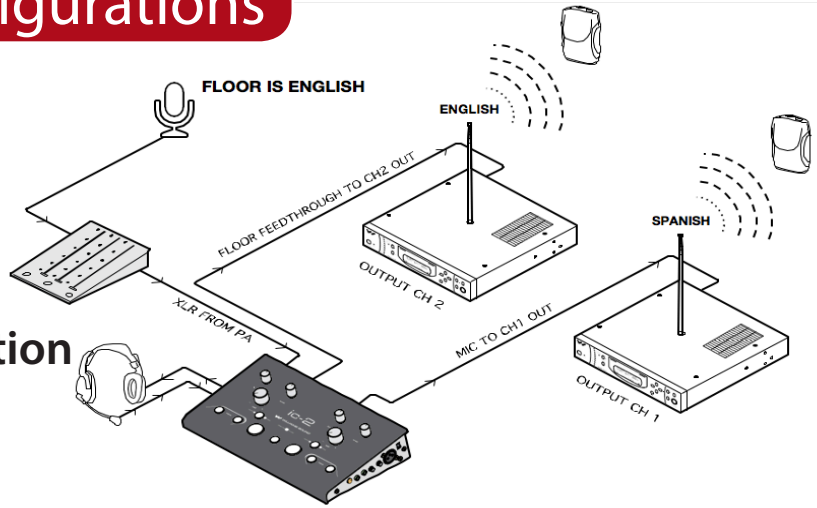
- This is not an RF problem. Instead, it is likely caused by incorrect audio connections, a ground loop, or defective equipment. To remedy, use proper audio wiring practice to make connections shown in Figure 6 (and Figure 4 if needed).

### Buzz or other noise in equipment only when transmitter is on

- This is likely an RF-induced disturbance in the other equipment. To remedy, try these steps in order until the buzz is eliminated:
  1. Ensure antenna connections are secure.
  2. Set the T45 Transmitter to MEDIUM power output on the RF Power menu choice.
  3. Set the T45 Transmitter to MEDIUM power output on the RF Power menu choice.
  4. Install transmitter at a distance from sensitive equipment.
  5. Use a remote antenna (ANT 005 or ANT 024).

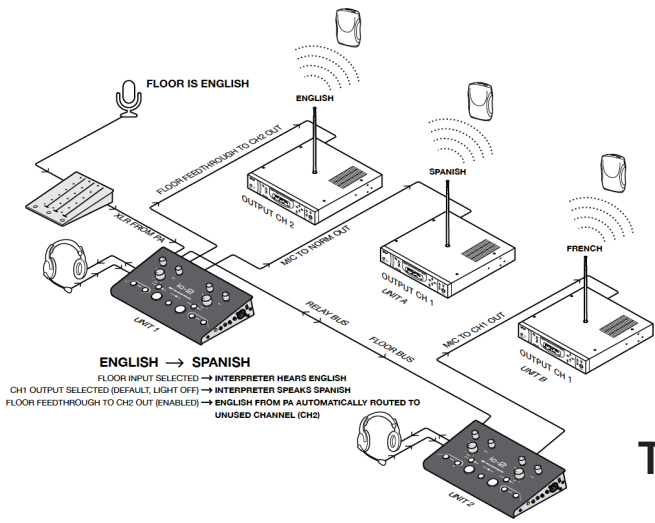
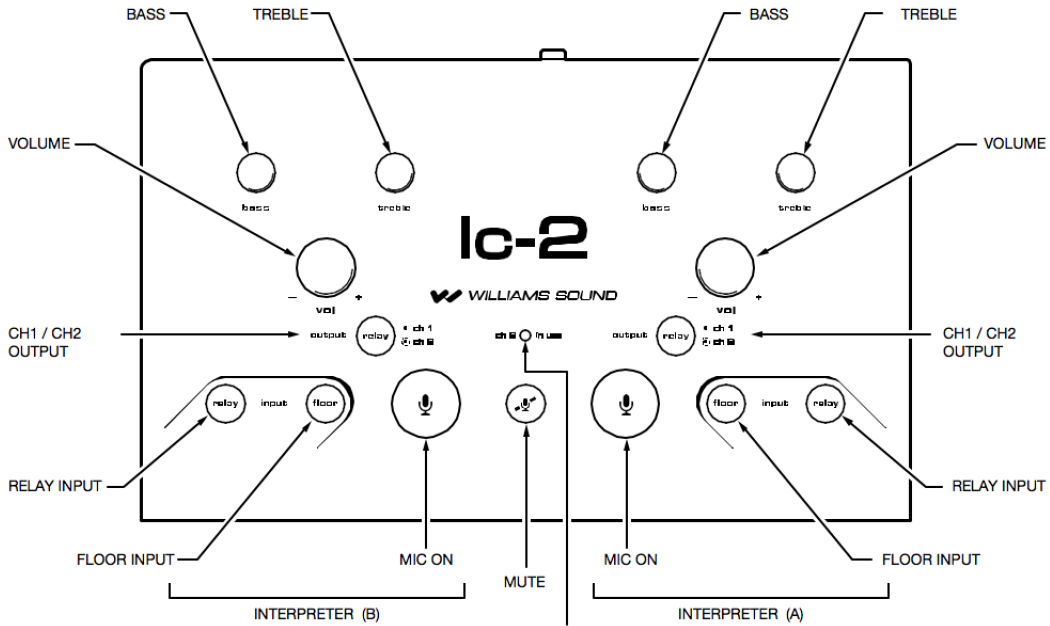
# ProT800 Sample Configurations

## Dual-Language Configuration



### ENGLISH → SPANISH

- FLOOR INPUT SELECTED → INTERPRETER HEARS ENGLISH
- CH1 OUTPUT SELECTED (DEFAULT, LIGHT OFF) → INTERPRETER SPEAKS SPANISH
- FLOOR FEEDTHROUGH TO CH2 OUT (ENABLED) → ENGLISH FROM PA AUTOMATICALLY ROUTED TO UNUSED CHANNEL (CH2)



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- ### ENGLISH → FRENCH
- FLOOR INPUT SELECTED → INTERPRETER HEARS ENGLISH
  - CH1 OUTPUT SELECTED (DEFAULT, LIGHT OFF) → INTERPRETER SPEAKS FRENCH



## Three-Language Configuration