

Clip 3 Title: Setting up the Roger Inspiro radio aid using the FM Advantage procedure in the FP35 test box

It is important to carry out a listening check of the hearing aid and radio aid prior to the test box procedure.

This is to ensure that there aren't any obvious faults such as crackling and distortion.

Connect and level the test box.

Select SMOOTHING option from the main menu.

Press MENU.

A pop-up menu appears.

Press NEXT.

Press the down arrow until the cursor indicates SMOOTHING.

Press the right arrow, LOG will be displayed.

Press EXIT.

SMOOTHING is now enabled.

The Roger Inspiro transmitter must be in Verification mode for this procedure. NB Be aware that the transmitter may exit Verification mode after a period of time but will display Verification mode. For this reason, it is best to activate Verification mode immediately before running Curve 2 of the following procedure.

Turn on the transmitter.

Press the down arrow to enter the menu.

Press the down arrow to highlight Settings and press OK.

Press the down arrow repeatedly until Verification is highlighted. Press OK.

Activate will be highlighted. Press OK.

To confirm Verification, press Yes.

To apply the setting, press OK.

The transmitter restarts in Verification mode.

Check the screen in the top left corner.

This should read SPL for Sound Pressure Level.

If it isn't, then press the MENU button.

A pop-up screen will be displayed.

The cursor should already be next to DISPLAY on the menu.

Press the left or right arrow until you see SPL next to DISPLAY on the menu.

Press the EXIT button. The pop-up menu will disappear and SPL should now be displayed in the top left of the screen.

Above the F4 button should read Digital Speech shown as DIG SPCH.

If not, press the F4 button repeatedly until DIG SPCH is shown.

Open the lid.

Connect the tone hook of the hearing aid to the tubing of the HA2 coupler.

Position the hearing aid so that the microphone is in the centre of the speaker.

Switch on the hearing aid.

Close the lid.

Ensure Curve 1 is shown above the F2 button.

If not, press the F2 button repeatedly until it reads Curve 1.

The input level for Curve 1 should be 65dB.

If not, press the up or down arrow buttons to adjust.

Press the START/ STOP button to obtain a response curve for the hearing aid, allowing a few seconds for the curve to settle.

Press the START/ STOP button to freeze Curve 1.

Open the lid.

Attach the Roger receiver and shoe to the hearing aid.

Place on a soft surface outside of the test box.

Place the lapel microphone of the transmitter onto the centre circle of the loud speaker as shown.

The elastic band helps to hold the microphone in position.

Place the dummy HA2 coupler inside the test chamber as shown to ensure an accurate frequency response.

If not used, there may be a small dip in the lower frequencies of the curve.

Close the lid, ensuring that the leads are positioned as shown to prevent any damage.

Press the F2 button to select Curve 2.

Ensure that DIG SPCH is still shown above the F4 button.

If not, press the F4 button repeatedly until DIG SPCH is shown.

The input level should show 65dB.

If necessary, press the up and down arrow buttons to adjust.

The output level of the receiver needs to be adjusted to match Curve 1.

This is done using EasyGain.

Hold the transmitter within 10cm of the receiver, and press Check.

Details of the receiver should appear on the display. Press Manage.

Press the down arrow to highlight Default settings, and press OK.

Press the up arrow to highlight EasyGain and press OK.

Press the down arrow to reduce EasyGain to the minimum (-8).

Press the START/ STOP button to create a response curve for the radio aid and hearing aid combined.

Holding the transmitter within 10cm of the receiver, press the up arrow one step at a time, allowing the curve to settle after each press.

Increase until Curve 2 matches Curve 1 as closely as possible.

Press START/ STOP to freeze Curve 2.

Traditionally, a third curve has been run with an 80dB level into the radio aid transmitter.

This is to simulate the approximate level of speech going into the transmitter microphone when worn correctly.

Press the F2 button to select Curve 3.

Ensure that DIG SPCH is still shown above the F4 button.

If not, press the F4 button repeatedly until DIG SPCH is shown.

The input level should read 80dB.

If necessary, press the up or down arrow buttons to adjust.

Press the START/ STOP button to run the third response curve.

Press the START/ STOP button to freeze Curve 3.

Press PRINT to obtain a copy of the curves.

Note the value of EasyGain for your records.

To exit the Verification mode, switch off the transmitter and switch on again.

Hold the transmitter within 10cm of each receiver and press Connect.

Carry out a listening check with the complete system. Then, perform listening checks with the child or young person.

For further evaluation measures, consult the NDCS Quality Standards for the use of personal radio aids.

END Slide:

Clip 3 in a series of videos about using the test box

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