

WPL retrofit kit installation instructions

The WPL retrofit kit (WPLUG) adds an LED and a weatherised grille to WPL loudspeaker models manufactured in 2025 and earlier. When you connect the loudspeaker to an iKON amplifier, you can illuminate the LED from Vu-Net.

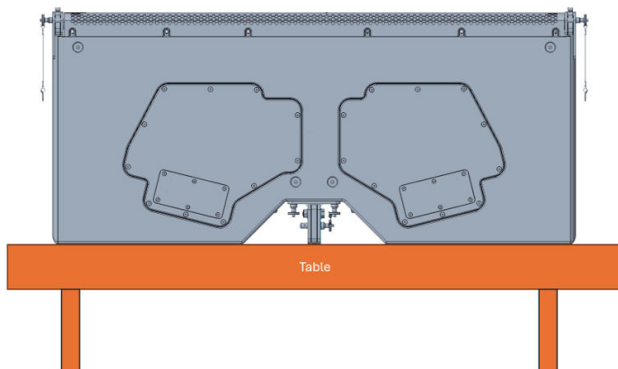
WPL loudspeaker models manufactured in 2026 and later feature an LED, a weatherised stainless steel 430 grille, improved construction methods, improved paint, improved metalwork and additional environmental testing.

This retrofit kit adds the LED and weatherised grille from the newer model. It does not upgrade pre-2026 loudspeakers to the full 2026 specification.

This document explains how to install the WPL retrofit kit.

To install the WPL retrofit kit

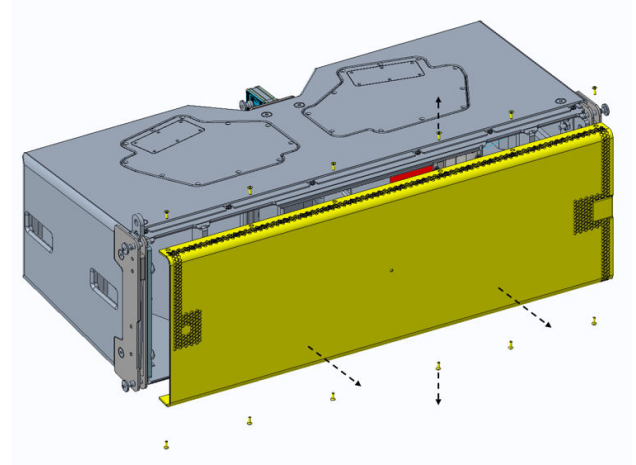
1. Place the WPL loudspeaker on a table or workbench with the grille facing up. Keep the WPL in this orientation throughout the installation procedure.



2. Unscrew the grille and keep the screws safe ready for fitting the new grille. The screws are:
 - 12 × FAA05021 (M5 × 16 mm countersunk socket screw)

Remove the grille. The kit includes a new grille so you can dispose of the old one.

For clarity, the image below shows the WPL on its side, but you should keep the WPL standing on its rear during installation.

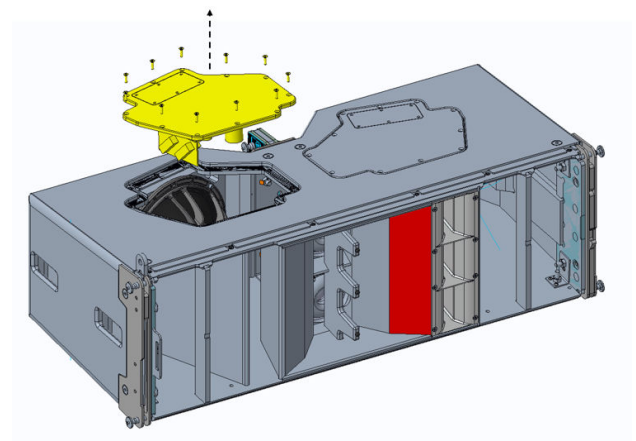


3. With the WPL on its rear and the access panel facing you, unscrew the right-hand access panel. Keep the screws safe for reassembly:

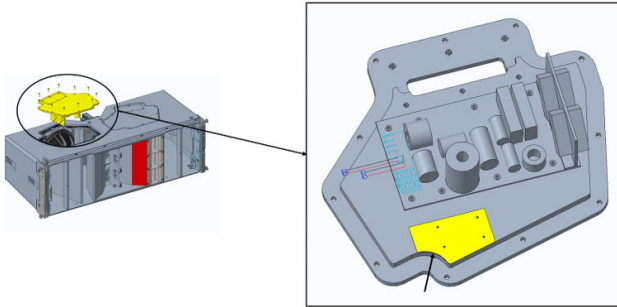
- 11 × FAA05005 (M5 × 20 mm countersunk socket screw)

Take care of the cables connected to the access panel. These cables will limit its movement.

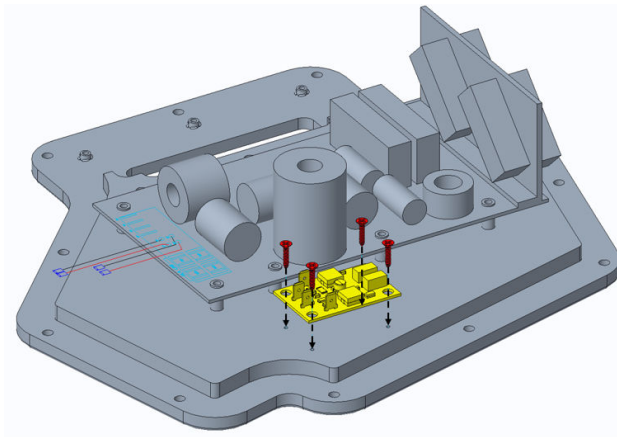
For clarity, the image below shows the WPL on its side, but you should keep the WPL standing on its rear during installation. Due to the image angle, the right-hand access panel appears on the left.



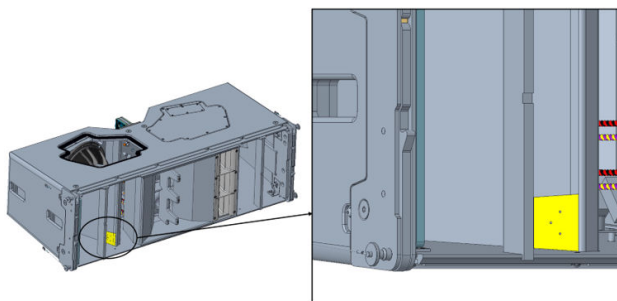
4. Align the PCB location jig (MEC100346), as shown below.



5. Using the four guide holes in the card, drill four pilot holes, 2 mm diameter and up to 10 mm deep. Take care not to drill through the panel.
6. Attach the LED PCB (ESA100009) to the access panel, orientated as shown below. Use the following screws:
- 4 × FAB06008 (No. 6 × 3/4 in. self-tapping flange-head screw)

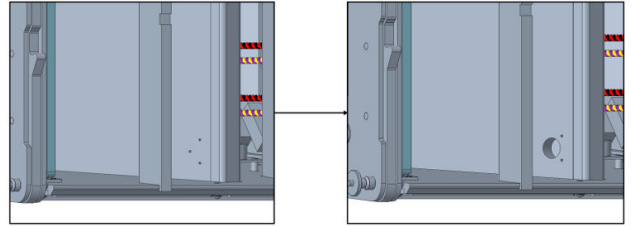


7. Align the gland location jig (MEC100347) as shown below:

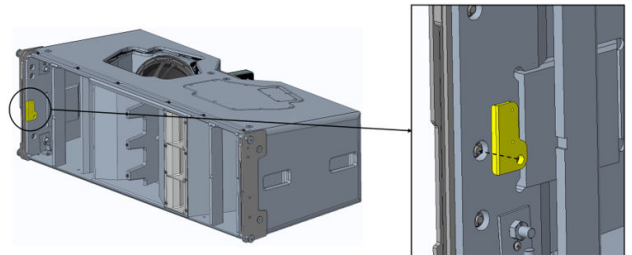


8. Use the guide holes to drill three 2 mm pilot holes. You can drill all the way through the panel.

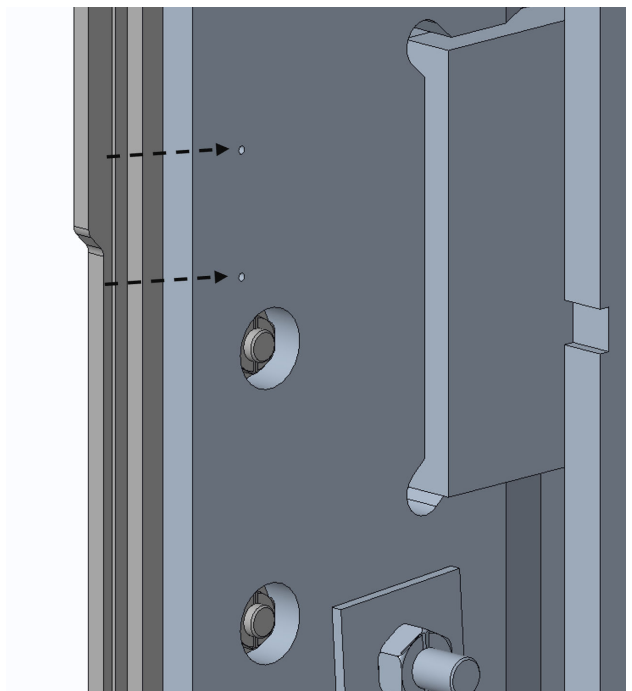
9. Use a 22 mm spade bit to drill a cable hole in the location of the pilot hole furthest away from the grille position, as shown below:



10. Align the LED bracket jig (MEC100345), as shown below.



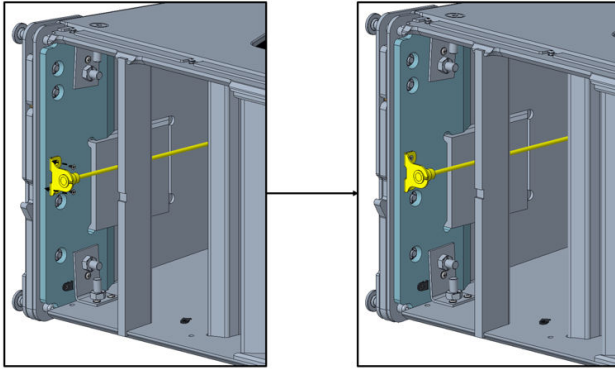
11. Use the two guide holes to drill two pilot holes, 2 mm diameter and up to 10 mm deep. Take care not to drill through the panel.



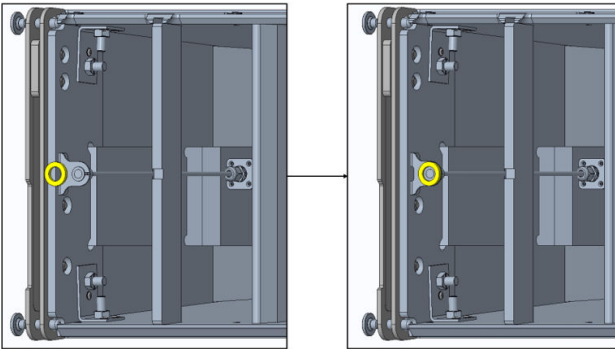
12. Clean or vacuum away any loose chippings or debris.

13. Attach the LED assembly (ASM100627) using the following screws:

- 2 × FAC080 (M3 × 12 mm countersunk Pozi screw)



14. Fit the round LED gasket (GRT100165) to the LED plate around the LED flange.



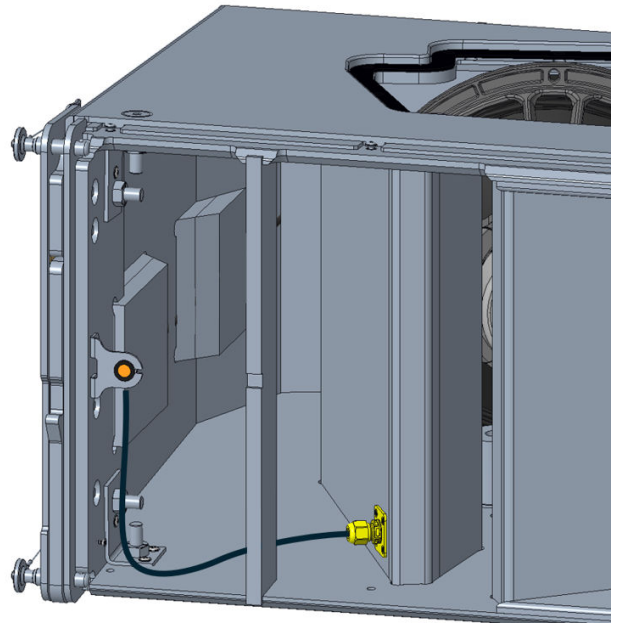
15. Feed the LED cable through the 22 mm hole in the front port that you drilled earlier. Pull the cable through until the cable gland plate aligns with the hole.

16. Fasten the cable gland plate with the following screws:

- 4 × FAC080 (M3 × 12 mm countersunk Pozi wood screw)

These self-tapping screws do not require pilot holes, but the front two pilot holes allow you to align the

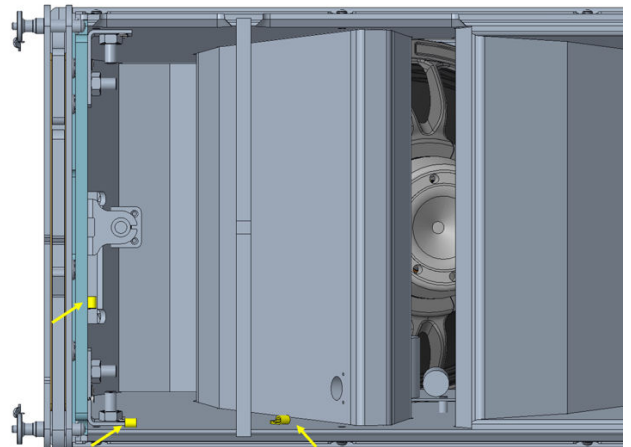
plate. Don't tighten the cable gland yet, as you will need to adjust the cable in a later step.



17. Install front port cable tidy anchors:

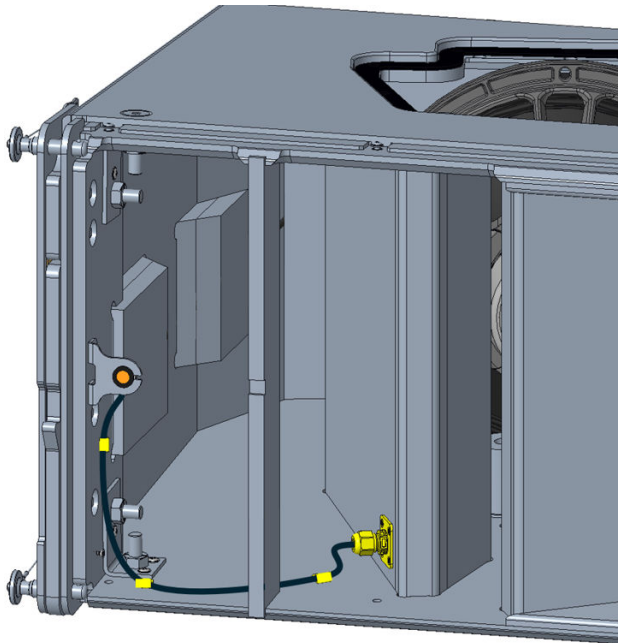
- 3 × FTA00002 cable anchor
- 3 × FAC080 (M3 × 12 mm countersunk Pozi screw)

Use suitable locations for cable management in the front port. Suggested locations are shown below:



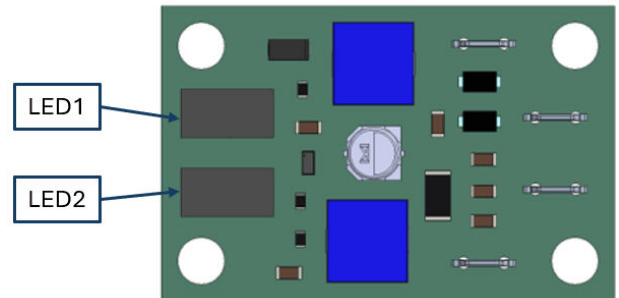
18. Wrap three P-clips (MEC100353) around the cable and fasten to the cabinet with FAC080 screws. Begin

with the P-clip nearest the LED and finish with the P-clip nearest the cable gland.

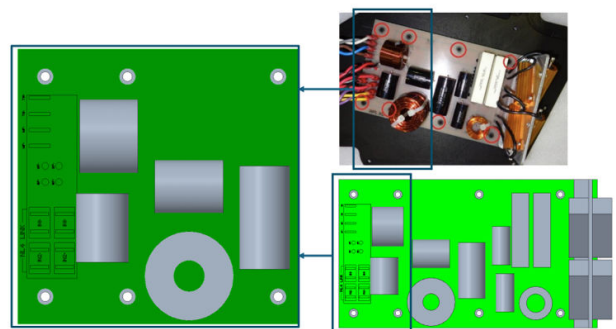


19. Adjust the cable length and secure the cable gland by tightening the gland nut.

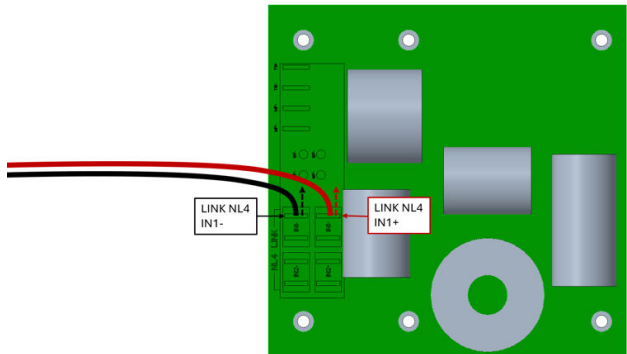
20. Plug the LED cable into connector **LED1** or **LED2** on the LED PCB (ESA100009). It does not matter which connector you use.



21. Find the link cable end of the main PCB (SCOS00205) on the access panel, as shown below:

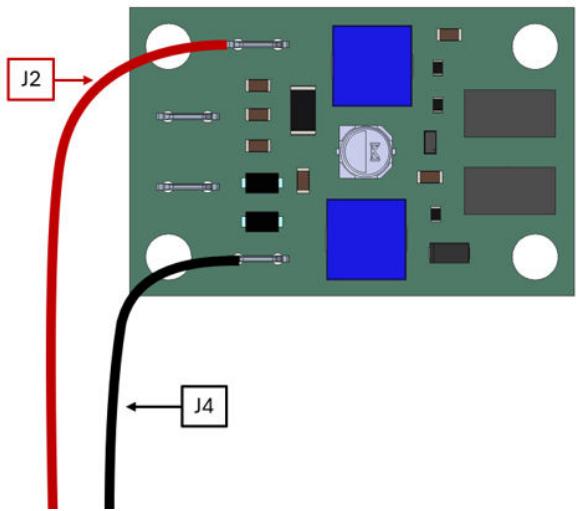
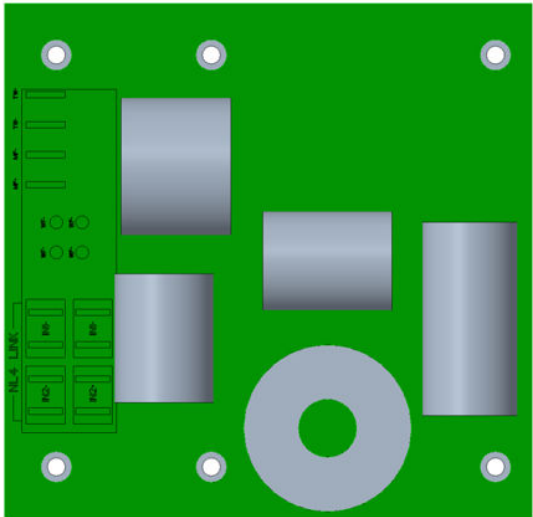


22. Unplug the red and black wires from the connectors labelled **IN1+** and **IN1-** in a group of four connectors labelled **NL4 LINK**.



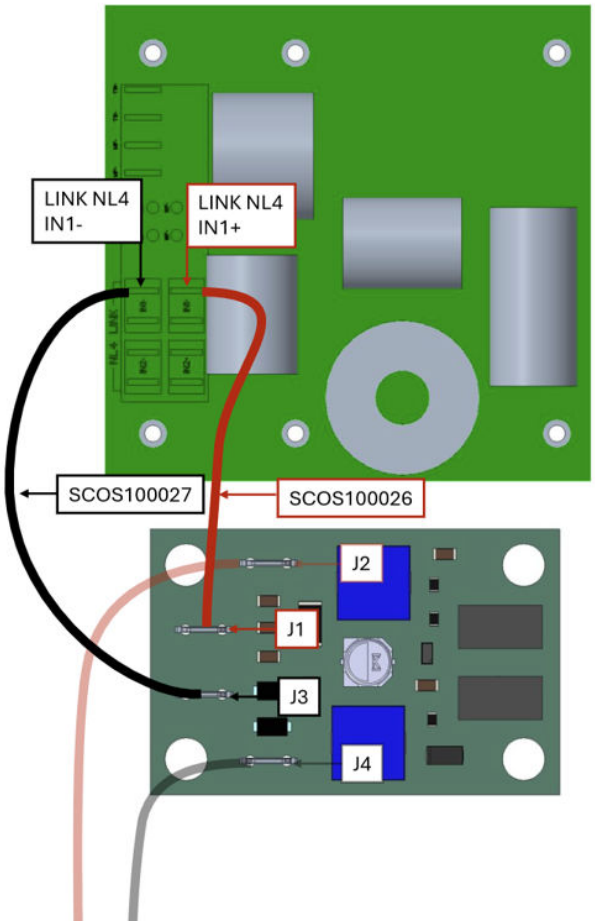
23. Connect these red and black wires to the LED PCB.

- Connect the red wire to pin **J2**.
- Connect the black wire to pin **J4**.



24. Connect the jumper wires between the LED PCB and the main PCB (SCOS00205).

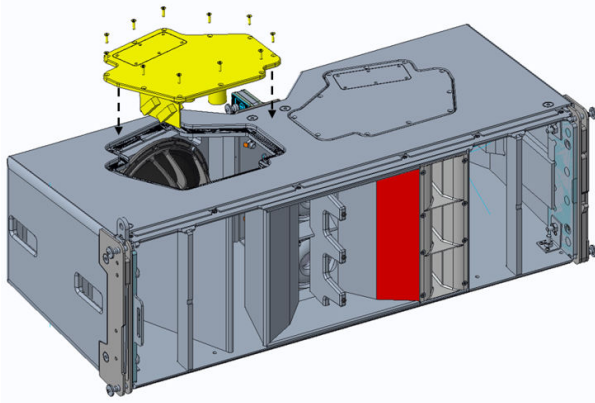
- Connect the red wire (SCOS100026) to **J1** on the LED PCB and **NL4 LINK IN1+** on the main PCB.
- Connect the black wire (SCOS100027) to **J3** on the LED PCB and **NL4 LINK IN1-** on the main PCB.



Wire	NL4 connector	Main PCB	LED PCB
Red NL4 connector	As Is	N/A	J2
Black NL4 connector	As Is	N/A	J4
Red (SCOS100026)	N/A	NL4 LINK IN1+	J1
Black (SCOS100027)	N/A	NL4 LINK IN1-	J3

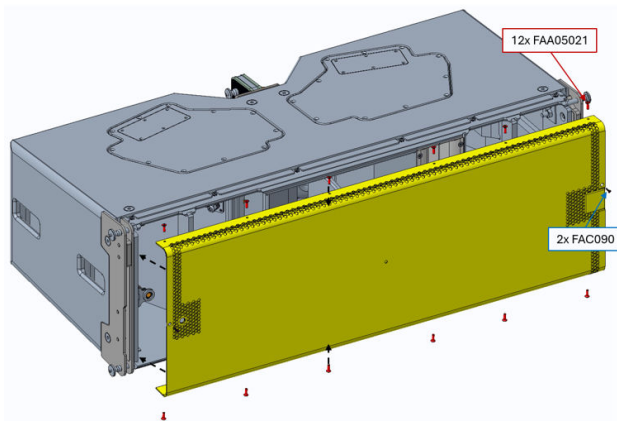
25. Refit the access panel to the cabinet using the screws you removed earlier:

- 11 × FAA05005 (M5 × 20 mm countersunk socket screw)



26. Attach the new front grille (ASM100563) using the following screws:

- 12 × FAA05021 (M5 × 16 mm countersunk socket screw) for the sides of the grille. These are the screws you removed from the original grille.
- 2 × FAC090 (M4 × 6 mm countersunk chipboard screw) for the front mounting points on the grille. These are screws from the kit, as these two fixing points are new for the new grille.



This completes the fitting procedure.

To test the LED

1. Make sure you're running Vu-Net Release 2.3.4 or later. If you need to upgrade, visit the **Software** page on our website:

martin-audio.com/support/software

2. Connect the WPL to an iKON amplifier.

3. Connect Vu-Net to the iKON amplifier.

4. Right-click the iKON and select **Open Preset Manager** to add the appropriate presets.

5. Select **Master Overview** and click **LED Mode**. This mutes all channels with presets that support LEDs.

The **LED Mode** button is available only after you have added the correct presets.

6. Click the **Play** button to illuminate each cabinet LED in sequence (one per second) or click an **L** button to illuminate the LED for a specific cabinet.

When the **L** button is illuminated, either automatically or manually, the iKON amplifier sends an HF signal to the loudspeaker. The LED PCB detects this signal and illuminates the LED. For WPC and WPL, the iKON amplifier sends the HF signal on the LF channel.

For subwoofers, the front and rear LEDs illuminate together. With speakers or subwoofers without LEDs, selecting **LED Mode** has no effect other than muting the cabinet.

What next?

Once the LED test is complete, test the WPL for audio.

If you have any questions or find any issues with these instructions, contact Martin Audio technical support at technical@martin-audio.com.