

WPM retrofit kit installation instructions

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

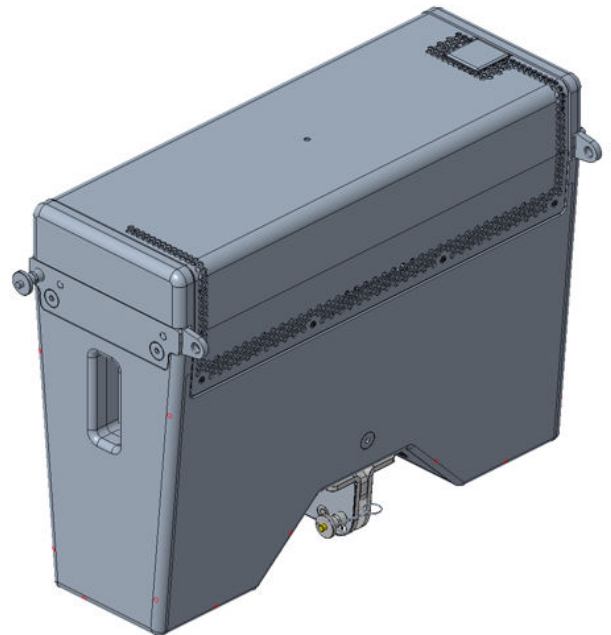
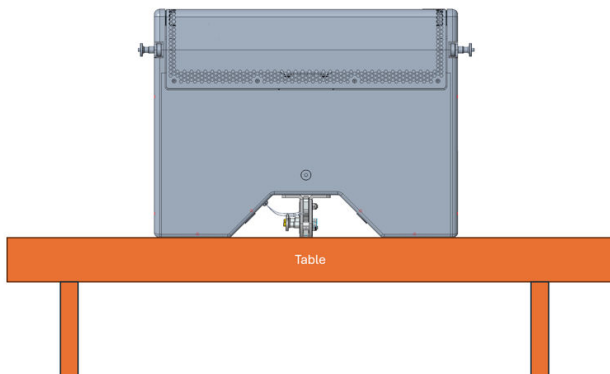
WPM loudspeaker models manufactured in 2026 and later feature an LED, a weatherised stainless steel 430 grille, improved construction methods, improved paint, improved metalwork and additional environmental testing.

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 WPM retrofit kit.

To install the WPM retrofit kit

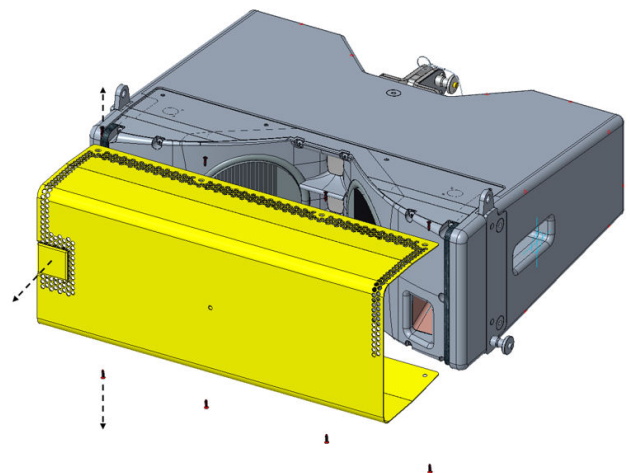
1. Place the WPM loudspeaker on a table or workbench with the grille facing up. Keep the WPM in this orientation throughout the installation procedure.



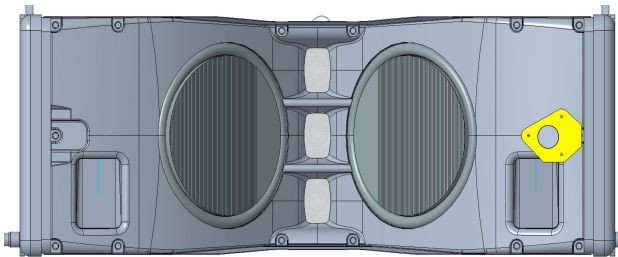
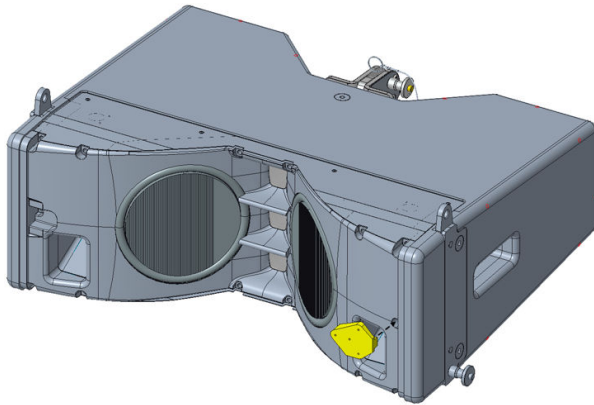
2. Unscrew the grille and keep the screws safe ready for fitting the new grille. The screws are:
 - 8 × FAC080 (M3 × 12 mm countersunk wood screw)

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

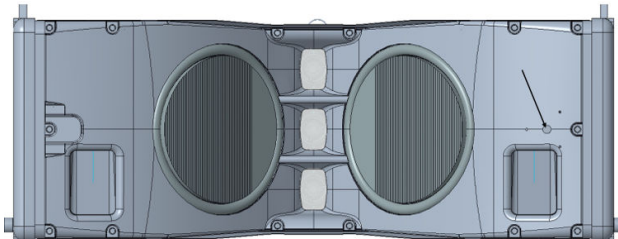
For clarity, the image below shows the WPM on its side, but you should keep the WPM standing on its rear during installation.



3. Align the mount jig (MEC100325), as shown below. Note that the jig location is critical.



4. Use the guide holes to drill three 2 mm pilot holes. You can drill all the way through the panel.
5. Use a 20 mm Forstner drill bit to drill a cable hole in the location of the central hole of the jig. Make sure the drill bit is sharp.



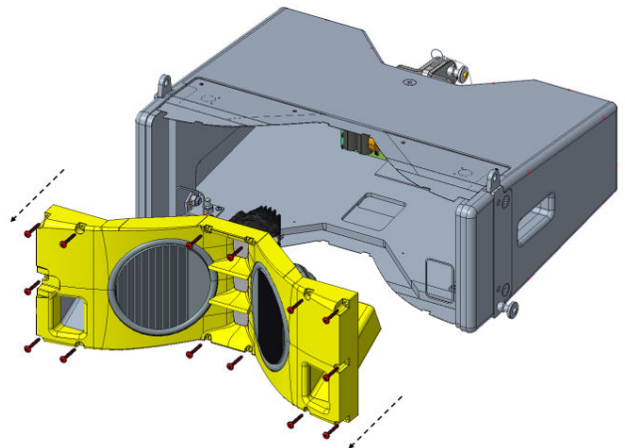
6. Remove any plastic burr.

7. Cut the gasket on the top and bottom sides, as shown below. This is to prepare for removing the front baffle.

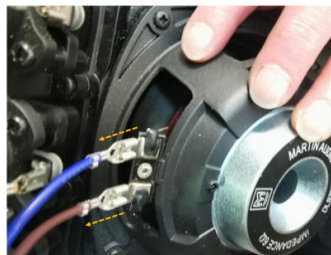


8. Unscrew and remove the front baffle assembly, taking care of the cables connected at the rear. Keep the screws safe ready for reassembly:

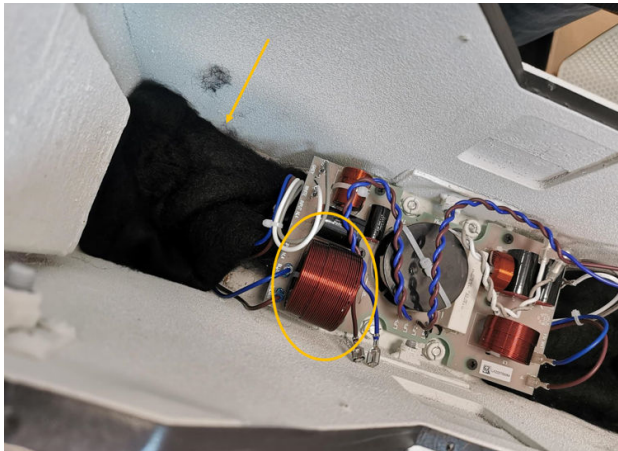
- 14 × FEH418 (No. 8 × 1 ¼ in. flange-head Pozi wood screw)



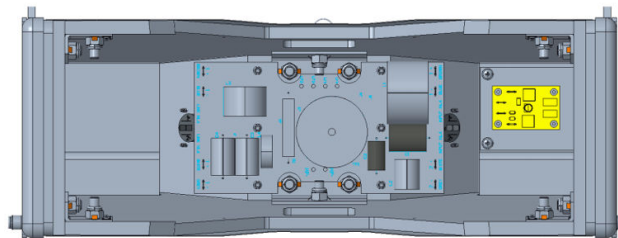
9. Disconnect the blue and brown cables from the drivers. Then disconnect the white and grey cables from the jumper cable inside the cabinet.



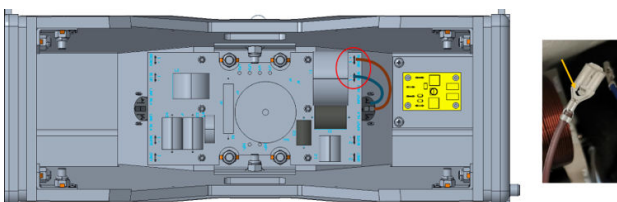
10. Tear the wadding from the side of the cabinet that has the NL4 connector, as shown below:



11. Clean or vacuum away any loose chippings or debris.
 12. Position the LED PCB (ESA100009) as shown below and secure it using the following screws:
- 4 × FAB06003 (No. 6 × 1 in. countersunk Pozi self-tapping screw)

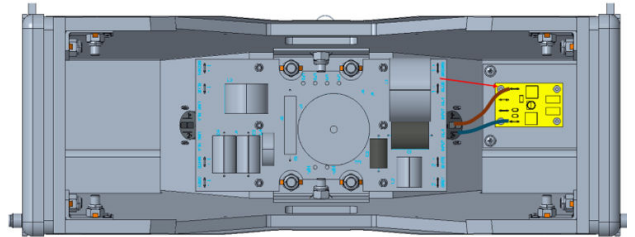


13. Disconnect the brown and blue cables from the main PCB, highlighted below. Make sure you disconnect the spade connectors, as shown on the right below:



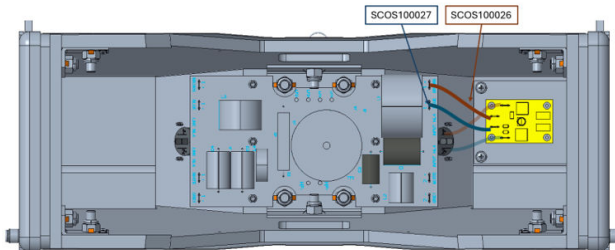
14. Connect these blue and brown cables to the LED PCB:

- Connect brown to pin J2
- Connect blue to pin J4

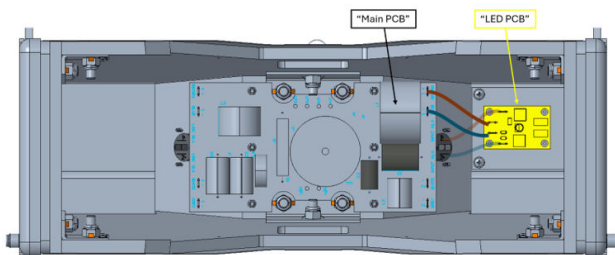


15. Connect the jumper cables between the LED PCB and the main PCB.

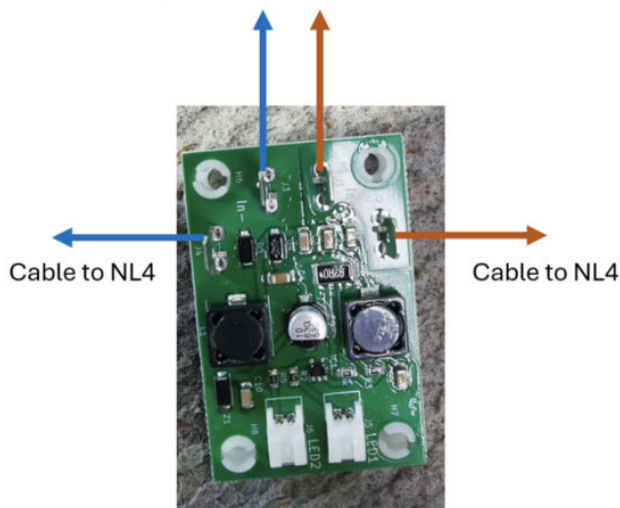
- Connect the brown cable (SCOS100026) to **J1** on the LED PCB and **Brown** on the main PCB.
- Connect the blue cable (SCOS100027) to **J3** on the LED PCB and **Blue** on the main PCB.



Cable	NL4 connector	Main PCB	LED PCB
Brown NL4 connector	As Is	N/A	J2
Blue NL4 connector	As Is	N/A	J4
Brown (SCOS100026)	N/A	Brown	J1
Blue (SCOS100027)	N/A	Blue	J3

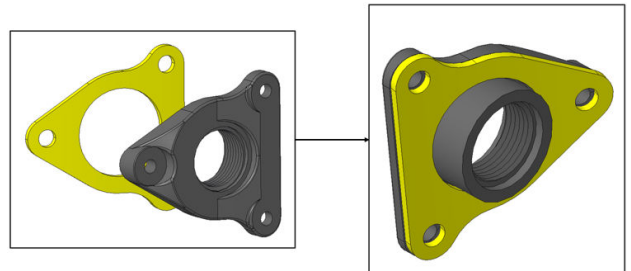


Jumper leads to X-Over PCB



16. Remove the nut from the LED. You can dispose of this nut.

17. Fit the mount gasket (GRT100166) onto the LED mount (GPT100165). The mount gasket is shown in yellow in the image below.

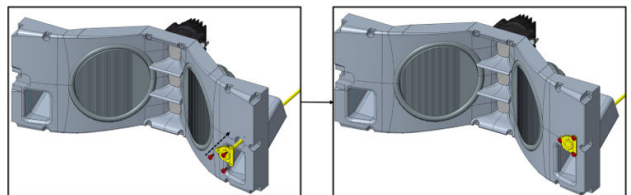


18. Screw the LED onto the mount GPT100165 until fully tightened.

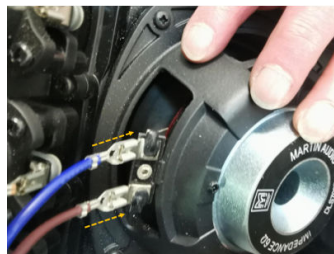


19. Slide the LED assembly through the front baffle and secure it in place using the following screws:

- 3 × FEF205 (No. 6 × ½ in. self-tapping Pozi screw)

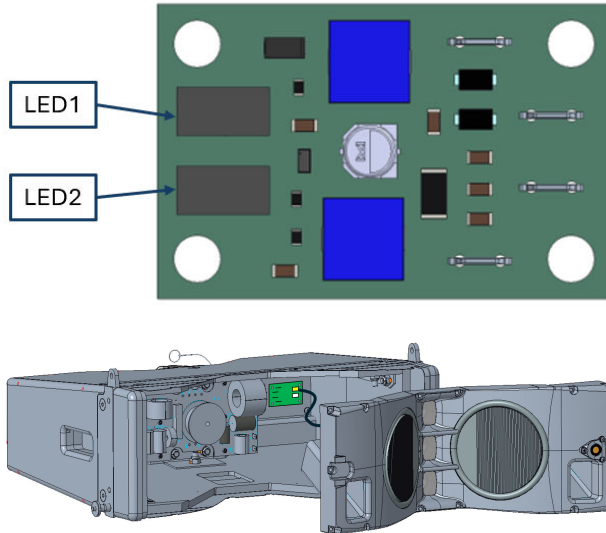


20. Reconnect the white and grey cables to the jumper cable as shown on the right in the image below. Ensure that the cable colours match the jumper cable colours. Then connect the brown (+ve) and blue (–ve) cables to the large drivers as shown on the left below.

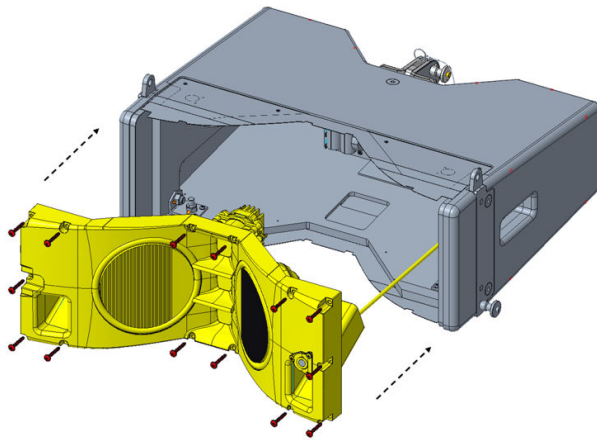


Perform a gentle pull-back test on all wires to ensure they are securely connected.

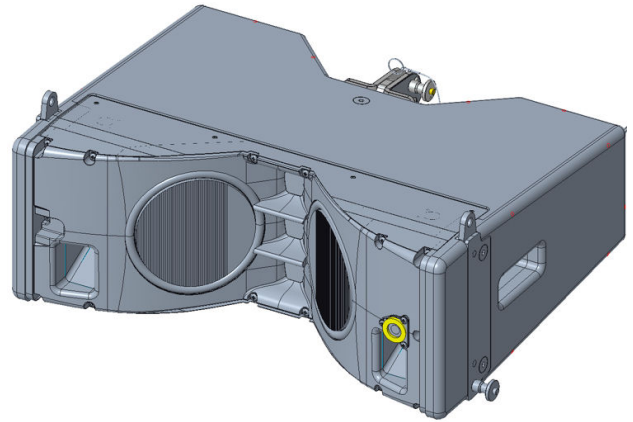
21. Plug the LED cable into connector **LED1** or **LED2** on the LED PCB (ESA100009). It does not matter which connector you use.



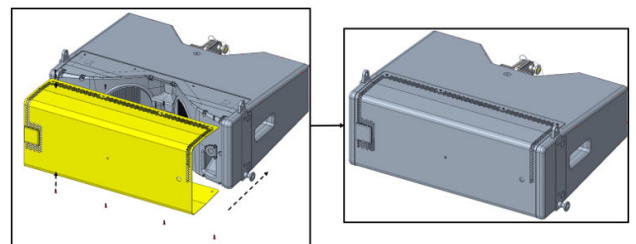
22. Slide the front baffle back into position, making sure that none of the cables at the rear become disconnected. Screw the front baffle into place using the screws you removed earlier.



23. Attach the LED gasket (GRT100165) to the LED mount (GPT100165). The LED gasket is highlighted in yellow in the image below.



24. Attach the new grille using the screws you removed from the old 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 WPM 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 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 WPM for audio.

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