BRANDMOTION
seamless vehicle personalization

Backup Camera/ Dual Camera Interface for
2015-2016 Mercedes Metris Van
(Kit # 9002-2711)

Please read thoroughly before starting installation and check that kit contents are complete.

Items Included in the Kit:

Power T-harness
8-pin to 18-pin video input/output harness
Fakra to RCA adapter
Metris module
USB update cable

Tools & Supplies Needed:

Wire strippers
Wire cutters
Electrical tape
Zip ties
Plastic panel removal tools
Digital Volt Meter / BCM safe test light
Screwdriver
Socket set
Wrench

Safety Precautions:

- Work in well ventilated area that is clear of obstructions.
- Secure vehicle with tire chucks in both front and rear of tires.
- Turn vehicle accessories OFF and ensure ignition key is in OFF position.
- Wear safety goggles and snug fitting clothes.
- Use tools only for their intended purpose and which are in good repair.
- Only perform this task if confidence, skill, and physical ability permit.

NOTE: We strive to provide accurate and up-to-date installation instructions. For the latest full color instructions, as well as an installation video, please visit www.brandmotion.com

1. Remove the factory screen (this is the radio as well). This requires removing the dash panel (surrounding the radio and vents) and removing Torx screws which secure the screen to the sub-dash. Disconnect all harnesses and set the radio to the side.

2. Remove the (2x) 12-pin plugs from the factory euro-plug and re-insert them into the male side of the provided Plug & Play T-Harness. You'll need to remove the plastic cover from the OEM plug to gain access to these plugs (see below):

3. Insert these plugs (just removed from step 2) into the male end of the Plug & Play T-Harness.

4. Replace the cover (removed from step 2) back on to the OEM Euro-plug.

5. Connect the OEM Euro-plug to the female end of the provided Plug & Play T-Harness.

6. Connect the provided 8-pin to 18-pin adapter harness to the 8-pin (white) Molex connector located on the Plug & Play T-Harness (white/blue & white/red wires not used, cut off).

7. Connect the 9002-2711 module to the 18-pin connector.

8. Connect the provided Fakra RCA adapter to the green port on the back side of the radio.

9. Connect the 'Video to Radio' RCA (only male RCA) on the Plug & Play T-harness to the RCA end of the Fakra RCA adapter from step 8.

10. After installing the rear camera, connect the signal RCA to the yellow RCA labeled 'Backup CAM' at the 18-pin Metris 9002-2711 module. Power your camera with an ACC source (OUTPUT 1 provides 12v ACC, use this to trigger a relay, especially if powering 2 cameras).

11. Optional: if adding a front camera or AUX Video source, connect the signal to the RCA labeled 'Video IN' (at 18-pin connector). Power this video source with ACC power. Note: when forcing AUX Video/front camera, the OEM message 'Check entire surroundings!' will always display on screen. This is a factory limitation.

12. Connect the radio to the male side of the Plug & Play T-harness. Reconnect all other plugs to the radio and proceed to 9002-2711 Programming.

13. After all connections are made, turn the key to the ON position (don't start vehicle).

14. The radio will turn on, and then shut down (and stay off) within 1 minute.

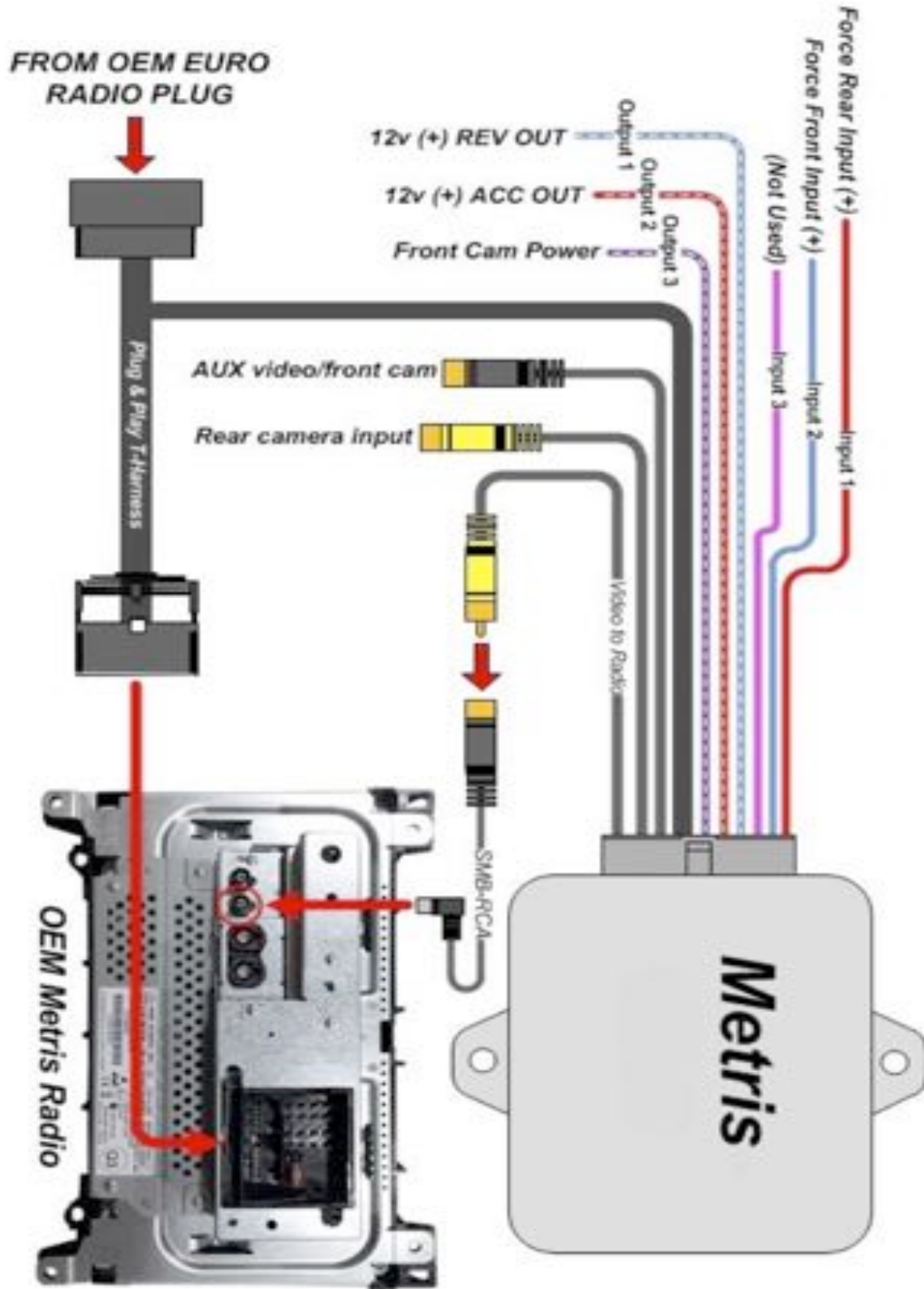15. Once the radio is off, press the power button once to turn it on.

16. If programming of the radio was performed successfully, the camera image will display on screen while in reverse.

IMPORTANT NOTES:

· This module locks to the vehicle's VIN and can only be used to program a reverse camera on ONE vehicle

· This module must remain in line (via T-Harness) to this vehicle at all times (programmer & emulator)

· There is no way to de-program this module. Once programmed, this kit must remain in the vehicle forever! (The module will not work on another vehicle after it has been programmed once!)

Flash-code reference table: reference while programming

LED Response	Description
1 flash	*Waiting for Ignition...* (Turn ignition to ON)
2 flashes	*Waiting for Vehicle VIN...*
3 flashes	*Query Vehicle* (Reading/decoding the VIN and vehicle components)
4 flashes	*Programming...*
5 flashes	*Programming Complete*
6 flashes	*No Programming Needed* (Already programmed)
7 flashes	*Radio Not Supported* (Verify this vehicle is compatible)

FROM OEM EURO RADIO PLUG

12v (+) REV OUT — Output 1

12v (+) ACC OUT — Output 2

Front Cam Power — Output 3

Force Rear Input (+) — Input 1

Force Front Input (+) — Input 2

(Not Used) — Input 3

AUX video/front cam

Rear camera input

Plug & Play T-Harness

OEM Metris Radio

Metris

SMB-RCA

Video to Radio

Typically, no user interaction is necessary for the Metris. Any time the vehicle is placed into reverse, the rear-camera image will appear on screen.

Forced rear camera (viewing camera image in any gear and any speed) can be activated by **holding clear (steering wheel) for 3 seconds** or sending 12v (+) to **Input 1 (red)** through a toggle (not included). *Note: Camera must be powered with an ACC source, NOT reverse lights for this operation.*

Forced front camera/AUX video (viewing front camera/AUX video image in any gear and any speed) can be activated by **holding Voice Command for 3 seconds** or sending 12v (+) to **Input 2 (blue)** through a toggle (not included).

3 seconds:
force rear
camera

3 seconds:
force front
camera