

Porsche BS8852 Video Interface

English installation instructions | HCJ-BS8852 high-definition VGA decoder

Applicable vehicles: 2018 Porsche Cayenne with 12.3-inch display; new-generation Porsche Macan with 12.3-inch display. The supplied switch table also lists certain other Porsche variants; verify compatibility before installation.

Safety: Disconnect vehicle power before removing or connecting the factory head unit. Protect trim and wiring. These instructions are a translation of the supplied manufacturer guide, not an independently verified vehicle-specific wiring specification.

1. Remove the factory head unit

Locate the original multimedia head unit in the passenger-side area. Insert the appropriate head-unit removal keys into the slots shown, withdraw the unit carefully, then release the tools.



Figure 1 — Porsche Cayenne dashboard and original centre display.



Figure 2 — Removal-key insertion points (circled).

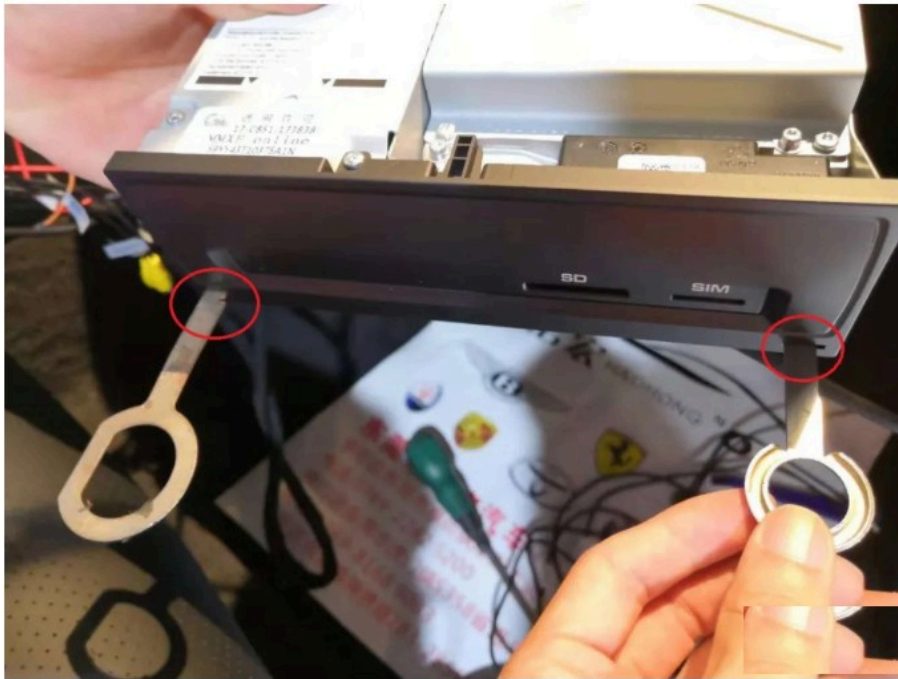


Figure 3 — Factory head unit withdrawn using removal keys.

2. Connect the decoder in line with the original system

Disconnect the factory LVDS video lead from the original head unit. Connect the decoder LVDS-IN lead to the factory head unit LVDS output, and connect the original display-side LVDS lead to the decoder LVDS-OUT extension as shown in the photographs. Connect the supplied power-harness adaptor in line with the original head-unit power connector. Do not force any connectors.



Figure 4 — Factory LVDS connectors identified by red circles.

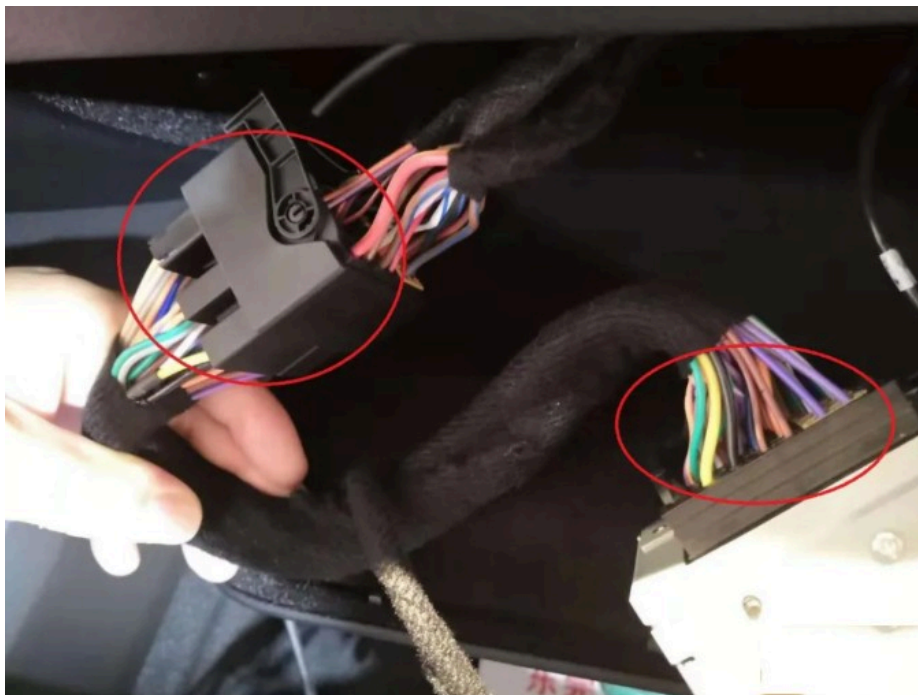


Figure 5 — Original power plug and mating adaptor.



Figure 6 — Decoder positioned beside the original multimedia head unit.

3. Complete connections and test operation

Use the decoder harness diagram at the end of this guide to identify the power and LVDS connections. Check that all plugs are fully seated, route and secure the cables, and temporarily reconnect vehicle power to test before refitting trim.

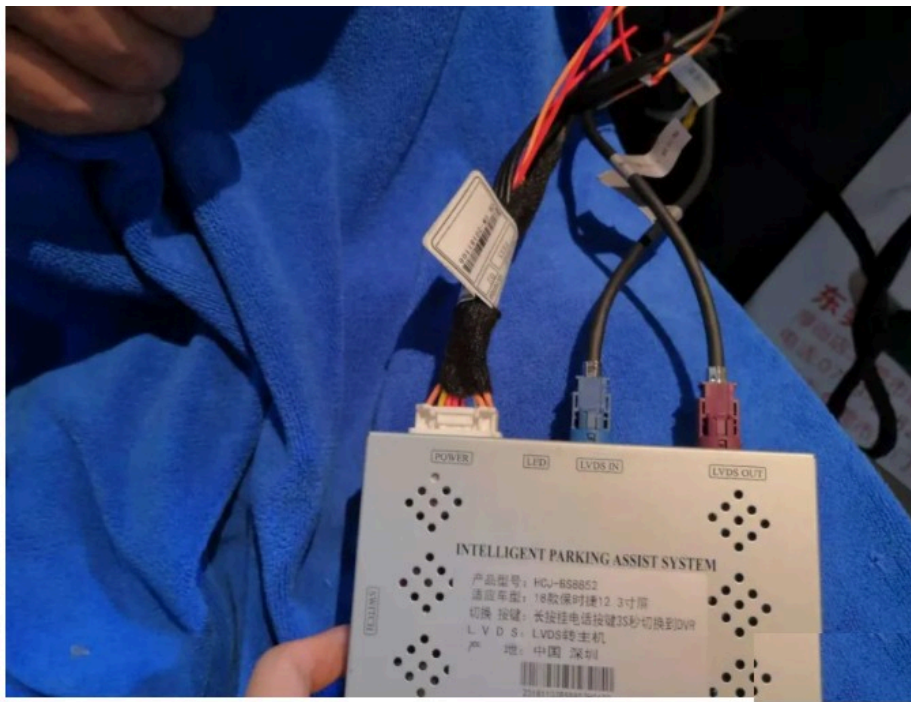


Figure 7 — Decoder module with POWER, LVDS IN and LVDS OUT connected.



Figure 8 — Example reversing camera display with parking guidelines.



Figure 9 — Example 360-degree surround-view display.

4. Optional DVR / dashcam operation

For an installation with DVR functionality, set DIP switch 6 to ON. Press and hold the steering-wheel hang-up button for approximately two seconds to enter DVR mode (as indicated in the supplied instructions). Confirm operation on the actual vehicle, as steering-wheel controls may differ.



Figure 10 — Steering-wheel hang-up button highlighted in red.

5. DIP switch configuration

Switches 1–3: vehicle selection (transcribed from the supplied Chinese table).

Vehicle / factory camera	1	2	3
2018–2019 Cayenne, no factory rear camera	OFF	OFF	OFF
2019 Macan, no factory rear camera	OFF	ON	OFF
2021 Cayenne	ON	OFF	ON
2019 Macan, with factory rear camera	ON	ON	OFF
2020 Porsche 911	OFF	ON	ON

Individual switch functions:

Switch	ON	OFF
4	Disable radar / parking sensor overlay	Enable radar / parking sensor overlay
5	Disable parking guidelines	Enable parking guidelines
6	Enable DVR	Disable DVR
7	Enable front-view camera	Disable front-view camera

Switches 4–8: mode presets shown in the original table. The image has partially obscured markings; confirm against the physical module before use.

Mode	4	5	6	7	8
Reversing camera	OFF	OFF	OFF	OFF	OFF
AV / 360°	OFF	OFF	OFF	OFF	ON
VGA 1280×720, centred	ON	ON	OFF	OFF	ON
VGA 1280×720, full screen	ON	ON	ON	OFF	ON

6. Wiring harness reference

The original wiring photo is reproduced below. Its Chinese labels are translated here: **left connector** — connects to the factory head-unit power harness; **upper-right connector** — connects to the original head unit LVDS port; **lower-right connector** — connects to the LVDS cable removed from the original head unit. The module connectors are marked POWER, LVDS IN and LVDS OUT. Additional RCA leads are visible but their functions are not individually specified in the supplied image.



Figure 11 — HCJ-BS8852 decoder wiring harness (original manufacturer photo; English key above).

7. Final checks

Verify the factory display, reversing camera picture, parking guidelines and optional 360°/DVR modes as applicable. Confirm that there are no trapped cables or loose plugs before refitting the head unit and surrounding trim.

Source note: Adapted from the user-supplied HCJ-BS8852 installation article and images. Vehicle-specific switch positions and features must be checked against the supplied hardware. No pin-level wiring assignments were provided in the source.