

DirectWire

2023 Audi R8 (Smart Key) - North America - Requested by ampire.de

Wiring Information

Item	Wire Color	Polarity	Wire Location
12 Volts	Red/Yellow (30A)	+	VESCM under passenger floor board, green 17 pin plug, pin 16
Second 12 Volts	Red/Green (30A)	+	Driver Kick, door harness
Starter Kill	Red/Black	+	Starter Relay in engine compartment passenger side fuse/relay box
Ignition	Black/Gray	+	Steering Column Electronics Module, yellow 17 pin plug, pin 2
Ignition Sense	Black/Blue	+	VESCM under passenger floor board, black 32 pin plug, pin 16
PTS 1	Black	-	Steering Column Electronics Module, yellow 17 pin plug, pin 10
PTS 2	Black/Red	-	Steering Column Electronics Module, yellow 17 pin plug, pin 8
PTS 3	Blue	-	Steering Column Electronics Module, yellow 17 pin plug, pin 9
CAN Bus High	Orange/Red	Data	OBD-Data Link Connector, black 16 pin plug, pin 6
CAN Bus Low	Orange/Brown	Data	OBD-Data Link Connector, black 16 pin plug, pin 14
CAN Bus High 2	Orange/Green	Data	Comfort System Module under rear shelf driver side, white/black 32 pin plug, pin 19
CAN Bus Low 2	Orange/Brown	Data	Comfort System Module under rear shelf driver side, white/black 32 pin plug, pin 20
CAN Bus High 3	Orange/Green	Data	VESCM under passenger floor board, brown 16 pin plug, pin 15

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CAN Bus Low 3	Orange/Brown	Data	VESCM under passenger floor board, brown 16 pin plug, pin 14
OBD 12 Volts	Red/Violet (10A)	+	OBD-Data Link Connector, black 16 pin plug, pin 16
OBD Ground	Brown	-	OBD-Data Link Connector, black 16 pin plug, pin 4
OBD Ignition	Black/Blue	+	OBD-Data Link Connector, black 16 pin plug, pin 1
IMMO Data	Violet/Black (LIN Bus)	Data	Immobilizer Reader coil in steering column, black 4 pin plug, pin 1
IMMO Antenna	White/Black	RF	Comfort System Module under rear shelf driver side, blue 32 pin plug, pin 16
Power Lock	White/Red	-	Driver Door Module, blue 32 pin plug, pin 28
Lock Motor	Black/White	Reverse	Driver Door Module, black 20 pin plug, pin 13
Driver Unlock Motor	Brown/Blue	Reverse	Driver Door Module, black 20 pin plug, pin 11
Passenger Unlock Motor	Brown/Blue	Reverse	Passenger Door Module, black 20 pin plug, pin 11
Factory Alarm Arm	Black/Blue (key lock)	-	Driver Door Module, black 20 pin plug, pin 1
Parking Lights	Blue/Red (LF); Blue/Red (RF)	+	VESCM under passenger floor board, green 17 pin plug, pin 2 (LF); red 17 pin plug, pin 12 (RF)
Parking Lights 2	White/Blue (LR); Gray (RR)	+	Comfort System Module under rear shelf driver side, brown 17 pin plug, pin 10 (LR); black 17 pin plug, pin 9 (RR)
Hazards	Violet/White	-	VESCM under passenger floor board, gray 32 pin plug, pin 8

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Turn Signal (Left)	Black/Blue (LF); Gray/White (LR)	+	VESCM, green 17 pin plug, pin 5 (LF); Comfort System Module, brown 17 pin plug, pin 9 (LR)
Turn Signal (Right)	Black/Green (RF); Black/Yellow (RR)	+	VESCM, red 17 pin plug, pin 10 (RF); Comfort System Module, black 17 pin plug, pin 8 (RR)
Headlight	Yellow/Black (L); Green/White (R)	+	VESCM under passenger floor board, green 17 pin plug, pin 15 (L); red 17 pin plug, pin 15 (R)
Reverse Light	Black/Blue	+	Comfort System Module under rear shelf driver side, brown 17 pin plug, pin 5
Left Front Door Trigger	Black/Violet	-	Driver Door Module, black 20 pin plug, pin 5
Right Front Door Trigger	Black/Violet	-	Passenger Door Module, black 20 pin plug, pin 5
Dome Light	Blue	-	VESCM under passenger floor board, black 17 pin plug, pin 9
Trunk/Hatch Pin	Green/Yellow	-	Comfort System Module under rear shelf driver side, gray 32 pin plug, pin 4
Hood Pin	Gray/Yellow	-	VESCM under passenger floor board, black 32 pin plug, pin 3
Trunk/Hatch Release	Red/white	-	Driver Door Module, blue 32 pin plug, pin 23
Trunk-Hatch Release2	Yellow/Gray (engine lid)	+	Rear Lid Release Switch in left rear side panel, brown 4 pin plug, pin 4
Trunk Release Motor	Red/Blue	Reverse	Comfort System Module under rear shelf driver side, black 17 pin plug, pin 5
Fuel Door Release	Yellow/Green - Red/Blue (lock/unlock motor)	Reverse	Comfort System Module under rear shelf driver side, black 17 pin plug, pins 7 - 6
Tachometer	Green	AC	Camshaft Position sensor, engine driver side top front, black 3 pin plug,

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			pin 2
Fuel Pump	Black	+	Fuse Panel D under rear shelf passenger side, black fuse carrier, fuse 5
Rear Defroster	White/Red	+ Latched	Comfort System Module under rear shelf driver side, white/black 32 pin plug, pin 4
Brake Wire	Red/Black	+	Brake Switch, black 4 pin plug, pin 3
Parking Brake	White/Blue (electric parking brake indicator)	-	Electric Parking Brake Switch, red 10 pin plug, pin 8
Horn Trigger	Gray/Yellow	+	VESCM under passenger floor board, black 32 pin plug, pin 29
Rear Sliding Window Open-Close	Violet/Blue (requires CAN ON message)	-	Convertible Top Switch, red 6 pin plug, pin 5
Convertible Top Open-Close	Blue/Green (requires CAN ON message)	-	Convertible Top Switch, red 6 pin plug, pin 2
Radio 12V	Red/Gray	+	Radio between seat backs, black 8 pin plug, pin 8
Radio Ground	Brown	-	Radio between seat backs, black 8 pin plug, pin 7
Left Front Speaker (+/-)	Blue/White - Black/White (high); Black/White - Blue/White (low)	+,-	Radio between seat backs, brown 8 pin plug, pins 4 - 8 (high); pins 3 - 7 (low)
Right Front Speaker (+/-)	Green - Green/Black (high); Gray/White - Green/White (low)	+,-	Radio between seat backs, brown 8 pin plug, pins 1 - 5 (high); pins 2 - 6 (low)
Center Channel (+/-)	Brown/Blue - Green/Yellow	+,-	Radio between seat backs, black 8 pin plug, pins 2 - 6
Left Front Speaker - With Amp	Blue/White - Black/White (high); Blue/Green - Yellow/Green (mid); Blue/Yellow - Brown/Green (low)	+,-	Amplifier under rear shelf driver side or behind rear shelf, black 38 pin plug, pins 32 - 24 (high); pins 12 - 11 (mid); pins 8 - 7 (low)

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Right Front Speaker - With Amp	Green - Green/Black (high); Blue/Violet - Yellow/Violet (mid); White/Red - White/Brown (low)	+, -	Amplifier under rear shelf driver side or behind rear shelf, black 38 pin plug, pins 31 - 23 (high); pins 14 - 13 (mid); pins 20 - 19 (low)
Left Rear Speaker - With Amp	Gray/Red - Blue/Red (speaker 1); Yellow/Brown - Yellow/Red (speaker 2) (left headrest)	+, -	Amplifier under rear shelf driver side or behind rear shelf, black 38 pin plug, pins 25 - 33 (speaker 1); pins 26 - 34 (speaker 2)
Right Rear Speaker - With Amp	Gray/Red - Blue/Red (speaker 1); Yellow/Brown - Yellow/Red (speaker 2) (right headrest)	+, -	Amplifier under rear shelf driver side or behind rear shelf, black 38 pin plug, pins 4 - 5 (speaker 1); pins 17 - 16 (speaker 2)
Center Channel - With Amp	Brown/Blue - Green/Yellow (center 1); Brown/Green - Red/Green (center 2)	+, -	Amplifier under rear shelf driver side or behind rear shelf, black 38 pin plug, pins 18 - 6 (center 1); pins 36 - 28 (center 2)
Subwoofer - With Amp	Violet/Black - Violet	+, -	Amplifier under rear shelf driver side or behind rear shelf, black 38 pin plug, pins 9 - 10
Aux. Audio Input Left (+/-)	Green - Yellow	+, -	Radio between seat backs, green 12 pin plug, pins 7 - 1
Aux. Audio Input Right (+/-)	Gray - Yellow	+, -	Radio between seat backs, green 12 pin plug, pins 2 - 1
Rearview Camera Video	White - Black	+, -	Radio between seat backs, blue 12 pin plug, pins 6 - 12