

I've tried plugging in a SDA head unit into my 2014 Challenger with "Display Audio". Power and sound are OK, but mic and reverse camera don't work.

The 5V 1A connections on the back are indeed USB, the pinouts are:

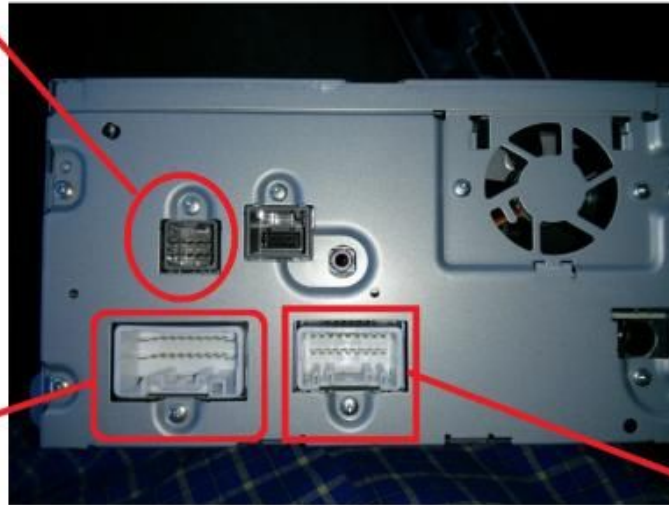
5V	GND
DATA [-]	DATA [+]

I've wired these up to a USB port and managed to get Carplay working with my iphone.

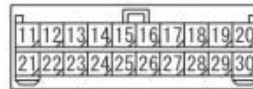
C-108

Terminal No.	Signal symbol	Check item	Check condition	Terminal voltage
1	CACC	VCC	Ignition switch: ON position Selector lever: R position	5.8 - 7.0V (DC)
2	CDET	CAMERA DETECT	Ignition switch: ON position Selector lever: R position	0 - 5V (DC)
3	-	-	-	-
4	+B	BATTERY (+)	Always	System voltage (DC)
5	CGND	GND	Always	1 V or less
6	CMP+	CAMERA SIGNAL	Ignition switch: ON position Selector lever: R position	1Vp-p (AC)
7	CMP-	SHIELD (CAMERA)	Always	1 V or less
8	GND	GND	Always	1 V or less

C-108



C-110



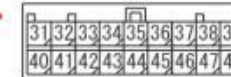
C-110

Terminal No.	Signal symbol	Check item	Check condition	Terminal voltage
11	ACC	ACCESSORY (+)	Ignition switch: ACC position	System voltage (DC)
12	REM+	REMOCON	Ignition switch: ACC position	3.3V (DC)
13, 14	-	-	-	-
15	RR+	SPEAKER RR (+)	When the sound is output	0 - System voltage (AC)
16	FR+	SPEAKER FR (+)	When the sound is output	0 - System voltage (AC)
17	RL+	SPEAKER RL (+)	When the sound is output	0 - System voltage (AC)
18	FL+	SPEAKER FL (+)	When the sound is output	0 - System voltage (AC)
19	ILL+	ILLUMINATION (+)	Tail lamp switch: ON	System voltage (DC)
20	+B2	BATTERY (+)	Always	System voltage (DC)
21	SPD	VEHICLE SPEED PULSE	Ignition switch: ON	0 - System voltage (pulse)
22	REM-	REMOCON GND	Always	1 V or less
23	-	-	-	-
24	ANT+	ANTENNA +B	Ignition switch: ACC position	System voltage (DC)
25	RR-	SPEAKER RR (-)	When the sound is output	0 - System voltage (AC)
26	FR-	SPEAKER FR (-)	When the sound is output	0 - System voltage (AC)
27	RL-	SPEAKER RL (-)	When the sound is output	0 - System voltage (AC)
28	FL-	SPEAKER FL (-)	When the sound is output	0 - System voltage (AC)
29	-	-	-	-
30	GND2	GND	Always	1 V or less

C-106

Terminal No.	Signal symbol	Check item	Check condition	Terminal voltage
31, 32	-	-	-	-
33	AAR+	HFM/USB S-INPUT RIGHT	When the hands free-ECU operation	1.2 Vrms (AC)
34	AAL+	HFM/USB S-INPUT LEFT	When the hands free-ECU operation	1.2 Vrms (AC)
35	-	-	-	-
36	TIR+	-	-	-
37	TIL+	-	-	-
38	AMP0	IE-BUS POWER ON	Ignition switch: ACC position	1 V or less
39	D-S+	IE-BUS (+)	Ignition switch: ACC position	More than 120mV
40	VA-	-	-	-
41	-	-	-	-
42	AA-	HFM/USB INPUT GND	When the hands free-ECU operation	1.2 Vrms (AC)
43, 44	-	-	-	-
45	TIR-	-	-	-
46	TIL-	-	-	-
47	-	-	-	-
48	D-S-	IE-BUS (+)	Ignition switch: ACC position	More than 120mV

C-106



green connector is for a GPS antenna.

The

On http://mmc-manuals.ru/manuals/outlander_iii/online/Service_Manual_2013/2017/54/html/M154401140008300ENG.HTM there is a "16 pin connector" that carries the mic signal, this one doesn't exist in the older model so the mic doesn't work until I figure out how to get the signal to it.

Outlander 2017 Smartphone Display Audio pinout

http://mmc-manuals.ru/manuals/outlander_iii/online/Service_Manual_2013/2017/54/html/M154401140008300ENG.HTM

Pajero Sport (PC Challenger) 2014 Display Audio pinout

http://mmc-manuals.ru/manuals/pajero_sport_ii/online/Service_Manual/2014/54/html/M154600330104600ENG.HTM

Pajero MMCS pinout

http://mmc-manuals.ru/manuals/pajero_iv/online/Service_Manual/2015/54/html/M154600330099100ENG.HTM