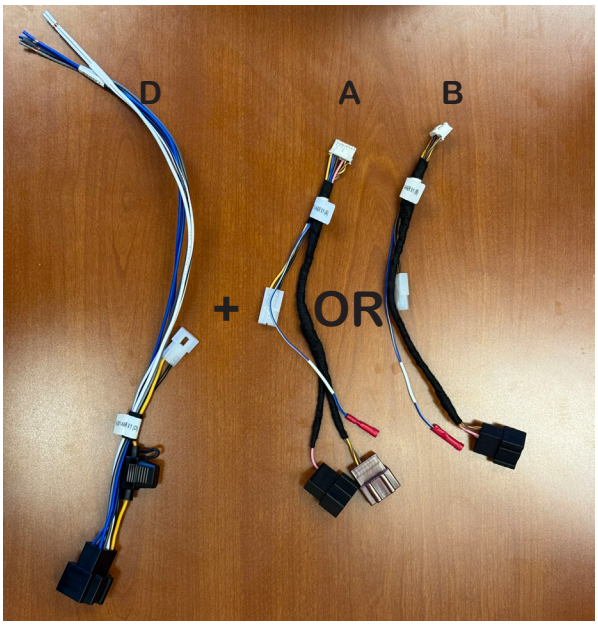
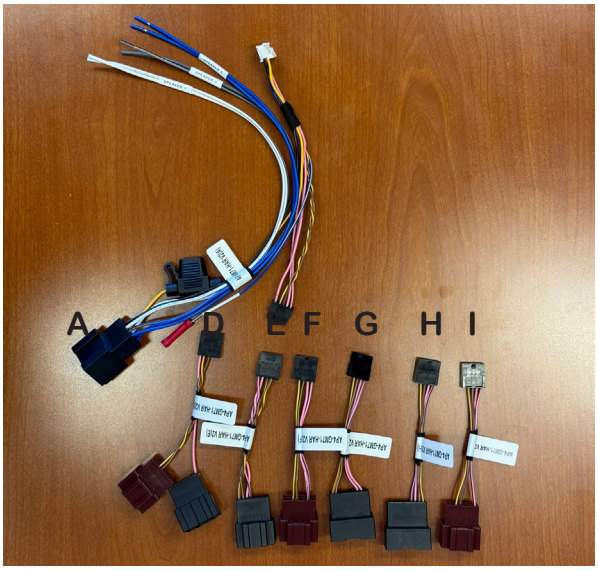
AP4-GM71 Overview

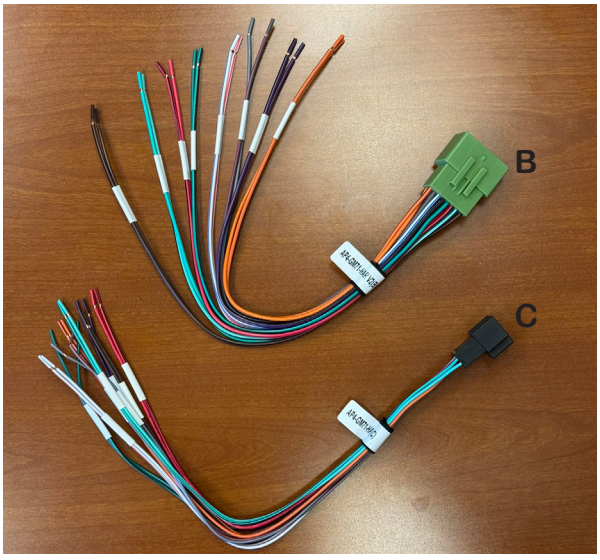
V1 to V3 Harness Comparison:



In the first version of the AP4-GM71 harness (V1), the 8 pin connector (labeled harness “D”) has a 2 pin adapter for power that will connect to either harness A or B. Using harness A or B is determined by the data configuration (single wire CAN or dual wire CAN) in the vehicle.



In the second version of the AP4-GM71 harness (V3), the 8 pin connector (labeled harness “A”) is connected directly to the AP4’s JST connector and has a 5 pin Molex connector left free to be connected to the appropriate adapter. There are 6 different data connectors that can connect to this based on the configuration in the vehicle. These are labeled D through I.



The green 16 pin connector has not changed for a few generations. This is the same on both versions of our harness. This is labeled harness “C” in V1 and harness “B” in V3.

The 16 pin black connector populated with speaker wires 12-19 is used in the premium systems that use connector G or H for data pickup. This is labeled connector “C” and was introduced with V3. This connector is usually labeled X3 in schematics and matches the connector used in harness “D” and harness “E”

Application Guide

Green - Have been verified by schematics to be applicable
Yellow - Have been verified by schematics but there are other factors that make the application uncertain.
This is a list of POTENTAIL applications. Vehicles that have been verified and are compatible with current hardware will be listed on our website.

This application chart is based off of the connectors from V3. If a V1 harness was applicable, it will be listed in parenthesis.

AP4-GM71		UQA/UQS with IOS/T/K/U radio	
Cadillac	ATS	2018-2019	Connector D (A in V1)
Cadillac	CT4	2021-2025	Connector H (UQS)
Cadillac	CT5	2020-2024	Connector I (UQP) / Connector H (UQS) 23+
Cadillac	CT6	2019-2020	Connector D (A in V1)
Cadillac	CTS	2019	Connector D (A in V1)
Cadillac	Escalade	2021-2024	Connector H
Cadillac	XT4	2019-2023	Connector D (A in V1)
Cadillac	XT5	2020-2025	Connector D (A in V1)
Cadillac	XT6	2020-2025	Connector D (A in V1)
Cadillac	XTS	2018-2019	Connector D (A in V1)
Chevrolet	Blazer	2019-2025	Connector D (A in V1)
Chevrolet	Camaro	2019-2024	Connector D (A in V1)
Chevrolet	Cheyenne*	2019-2022	Connector D (A in V1)
Chevrolet	Colorado	2019-2022	Connector D (A in V1)
Chevrolet	Corvette	2020-2025	Connector E (B in V1) (UQS) / Connector G (UQH)
Chevrolet	Equinox	2019.5-2024	Connector D (A in V1)
Chevrolet	Malibu	2019-2025	Connector D (A in V1)
Chevrolet	Silverado	2019-2026	Connector D (A in V1) / Connector E (B in V1) (22.5+)
Chevrolet	Sil. HD	2020-2026	Connector D (A in V1) / Connector E (B in V1) (22.5+)
Chevrolet	Suburban	2021-2024	Connector E (B in V1) (UQA/UQS) / Connector F (UQP)
Chevrolet	Tahoe	2021-2024	Connector E (B in V1) (UQA/UQS) / Connector F (UQP)
Chevrolet	Trailblazer	2021-2023	Connector D (A in V1)
Chevrolet	Traverse	2020-2023	Connector D (A in V1)
Chevrolet	Volt	2019	Connector D (A in V1)
GMC	Acadia	2020-2023	Connector D (A in V1)
GMC	Canyon	2019-2022	Connector D (A in V1)
GMC	Sierra	2019-2026	Connector D (A in V1) / Connector E (B in V1) (22.5+)
GMC	Sierra HD	2020-2025	Connector D (A in V1) / Connector E (B in V1) (22.5+)
GMC	Terrain	2019-2024	Connector D (A in V1)
GMC	Yukon	2021-2024	Connector E (B in V1) / Connector F (UQP)
GMC	Yukon (XL)	2021-2024	Connector E (B in V1) / Connector F /Connector G (UQH)
GMC	Hummer EV	2022-2025	Connector E (B in V1)

*Mexico only

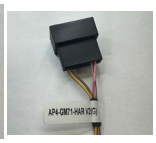
V1
V3

Connector A
Connector D

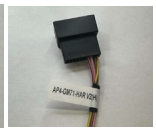
Connector B
Connector E

Connector F

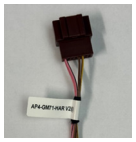
Connector G



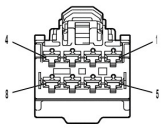
Connecetor H



Connector I

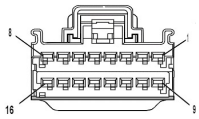


X1
Connector A



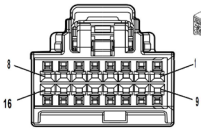
Pin							
1		Speaker 1 +	Speaker 1 +	Speaker 1 +	Speaker 1 +	Speaker 1 +	Speaker 1 +
2		Speaker 2 +	Speaker 2 +	Speaker 2 +	Speaker 2 +	Speaker 2 +	Speaker 2 +
3		Speaker 3 +	Speaker 3 +	Speaker 3 +	Speaker 3 +	Speaker 3 +	Speaker 3 +
4		12v +	12v +	12v +	12v +	12v +	12v +
5		Speaker 1 -	Speaker 1 -	Speaker 1 -	Speaker 1 -	Speaker 1 -	Speaker 1 -
6		Speaker 2 -	Speaker 2 -	Speaker 2 -	Speaker 2 -	Speaker 2 -	Speaker 2 -
7		Speaker 3 -	Speaker 3 -	Speaker 3 -	Speaker 3 -	Speaker 3 -	Speaker 3 -
8		Ground	Ground	Ground	Ground	Ground	Ground

X2
Connector B



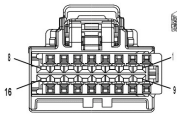
1		Speaker 4 -	Speaker 4 -	Speaker 4 -	Speaker 4 -	Speaker 4 -	Speaker 4 -
2		Speaker 5 -	Speaker 5 -	Speaker 5 -	Speaker 5 -	Speaker 5 -	Speaker 5 -
3		Speaker 6 +	Speaker 6 +	Speaker 6 +	Speaker 6 +	Speaker 6 +	Speaker 6 +
4		Speaker 7 +	Speaker 7 +	Speaker 7 +	Speaker 7 +	Speaker 7 +	Speaker 7 +
5		Speaker 8 +	Speaker 8 +	Speaker 8 +	Speaker 8 +	Speaker 8 +	Speaker 8 +
6		Speaker 9 +	Speaker 9 +	Speaker 9 +	Speaker 9 +	Speaker 9 +	Speaker 9 +
7		Speaker 10 +	Speaker 10 +	Speaker 10 +	Speaker 10 +	Speaker 10 +	Speaker 10 +
8		Speaker 11 +	Speaker 11 +	Speaker 11 +	Speaker 11 +	Speaker 11 +	Speaker 11 +
9		Speaker 4 +	Speaker 4 +	Speaker 4 +	Speaker 4 +	Speaker 4 +	Speaker 4 +
10		Speaker 5 +	Speaker 5 +	Speaker 5 +	Speaker 5 +	Speaker 5 +	Speaker 5 +
11		Speaker 6 -	Speaker 6 -	Speaker 6 -	Speaker 6 -	Speaker 6 -	Speaker 6 -
12		Speaker 7 -	Speaker 7 -	Speaker 7 -	Speaker 7 -	Speaker 7 -	Speaker 7 -
13		Speaker 8 -	Speaker 8 -	Speaker 8 -	Speaker 8 -	Speaker 8 -	Speaker 8 -
14		Speaker 9 -	Speaker 9 -	Speaker 9 -	Speaker 9 -	Speaker 9 -	Speaker 9 -
15		Speaker 10 -	Speaker 10 -	Speaker 10 -	Speaker 10 -	Speaker 10 -	Speaker 10 -
16		Speaker 11 -	Speaker 11 -	Speaker 11 -	Speaker 11 -	Speaker 11 -	Speaker 11 -

X3
Connector C, D or E



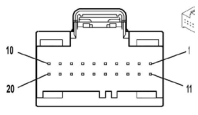
1		Low Speed GMLAN	Ethernet Bus [+]		Speaker 12 +	Speaker 12 +	
2			Ethernet Bus [-]		Speaker 13 +	Speaker 13 +	
3					Speaker 14 +	Speaker 14 +	
4					Speaker 15 +	Speaker 15 +	
5					Speaker 16 +	Speaker 16 +	
6					Speaker 17 +	Speaker 17 +	
7					Speaker 18 +	Speaker 18 +	
8					Speaker 19 +	Speaker 19 +	
9					Speaker 12 -	Speaker 12 -	
10					Speaker 13 -	Speaker 13 -	
11			CAN Bus [+]		Speaker 14 -	Speaker 14 -	
12			CAN Bus [-]		Speaker 15 -	Speaker 15 -	
13					Speaker 16 -	Speaker 16 -	
14					Speaker 17 -	Speaker 17 -	
15					Speaker 18 -	Speaker 18 -	
16					Speaker 19 -	Speaker 19 -	

X4
Connector D, F or I



1							
2							
3		Ethernet Bus [+]		Ethernet Bus [+]			Ethernet Bus [+]
4		Ethernet Bus [-]		Ethernet Bus [-]			Ethernet Bus [-]
5							
6							
7				CAN Bus [-]			
8							CAN Bus [-]
9							
10							
11							
12							
13							
14							
15				CAN Bus [+]			
16							CAN Bus [+]

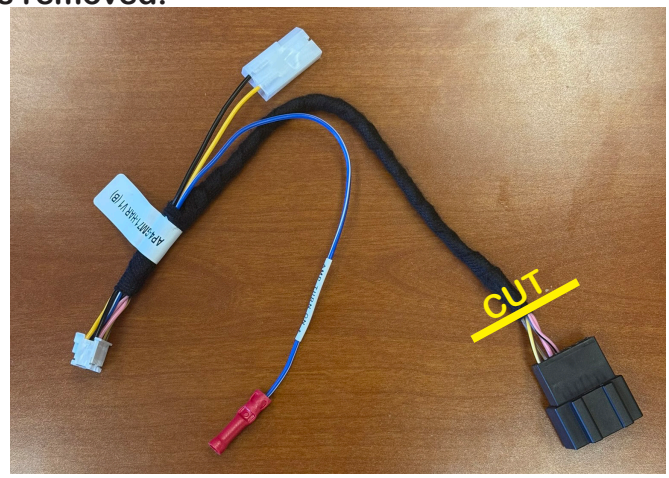
X5
Connector G or H



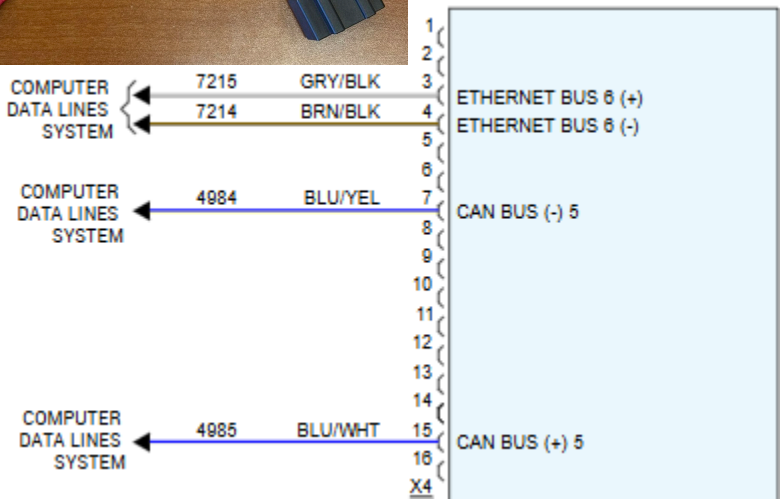
1					Ethernet +		
2					Ethernet -		
3							
4							
5							
6							
7							
8							
9						Ethernet -	
10						Ethernet +	
11							
12							
13							
14							
15							
16							
17						CAN Bus [-]	
18					CAN Bus [-]	CAN Bus [+]	
19					CAN Bus [+]		
20							

Hardwiring the AP4

If you have a dealer with a V1 harness that would like to try and hardwire into an application not covered by V1, they can use Harness “B” and reference the colors below as a guide. Pull up their vehicle in ALLDATA and make sure it has Ethernet and CAN at the amplifier. They will need to cut the plug off of our harness and hardwire those 4 wires to the corresponding wires in the vehicle. At this time, it seems as the applications that have A2B at the amplifier (in addition to the CAN and Ethernet signals) are likely incompatible as the BT microphones are on the A2B network and the BT calls had terrible echo once that circuit was disconnected. Also pay attention to any CAN networks that appear to pass through the amplifier (mostly in Cadillac) as these may disable modules downstream of the amplifier once its removed.



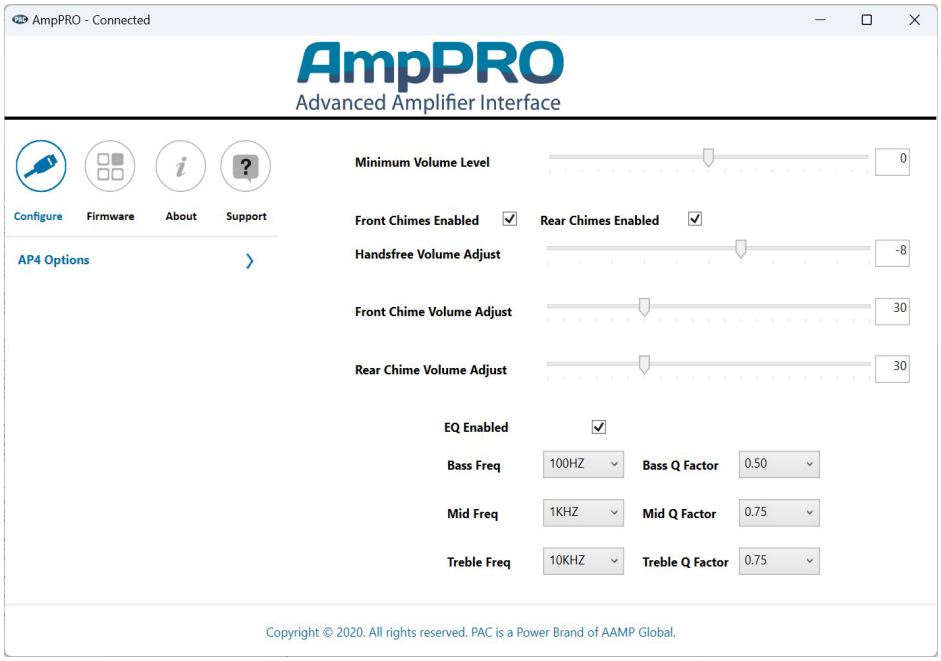
Yellow-Brown		22 AWG	Ethernet +
Brown-Yellow		22 AWG	Ethernet -
Pink		22 AWG	CAN BUS +
Pink-Black		22 AWG	CAN BUS -



In this example application the connections would be:

Yellow/Brown to Gray/Black
Brown/Yellow to Brown/Black
Pink to Blue/White
Pink/Black to Blue/Yellow

V5 Firmware Update

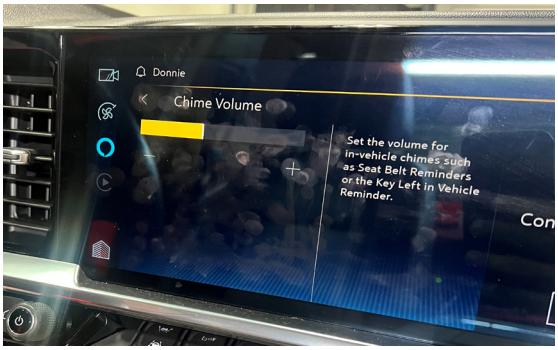


The V5 firmware update adds the ability to adjust the front and rear chimes independently. This will allow for adjustments when there is a large gain difference in the front vs rear channels of the aftermarket stereo. The AmpPRO PC Application must be on V23.

Start as usual with setting amplifier gains and minimum volume level, then proceed with Handsfree and Chime adjustment.

The Handsfree volume adjust will adjust the level of BT calls to help offset any echo if present or if the useable range seems to be improper. In most cases, the default value is used.

When adjusting the chime level sliders, it is recommended to first make sure the chime volume setting in the radio is centered. This is accessible in:
Settings -> Vehicle -> Comfort & Convenience -> Chime Volume



The sliders in the PC App are used to make large adjustments to the usable chime volume range during installation and the vehicle setting is used to fine tune the chime based on customer preference.

Since the chime adjust now has two independent levels, it can no longer be done through the bass knob and must be done through the PC App.