

LPH Harness Instruction Guide



Important Notes

All LPH harnesses are designed to work on OEM Non-Amplified systems.

All LPH harnesses are designed to be modular and used in various applications. (Listed Below)

- Adding Multi-Channel Amplifiers Front -LPH-SPK(A) / (C)
- Adding Multi-Channel Amplifiers Rear -LPH-SPK(B) / (D)
- Adding Multi-Channel Amplifiers Front / Rear -LPH-SPK(A) / (B) / (C) / (D)
- Adding Mono Amplifier Standalone Subwoofer -LPH-SPK(E)
- Provides Power/Ground/ACC -LPH-SPK(F)
- Provides speaker inputs / outputs on all channels

If no powered accessories are going to be installed behind your radio you will not need to use the **LPH-SPK(F)** pigtail. If you are using this harness make sure your loose ends are connected prior to plugging in to the main LPH harness. If not connected to a device or insulated this could cause a short circuit.

Wiring Connection Chart (All Models)

LPH-SPK (A)		LPH-SPK (B)		LPH-SPK (C)	
Front - Signal from AMP		Rear - Signal from AMP		Front - Signal to AMP	
Wire Color	Function	Wire Color	Function	Wire Color	Function
White	Front Left (+)	Green	Rear Left (+)	White	Front Left (+)
White/Black	Front Left (-)	Green/Black	Rear Left (-)	White/Black	Front Left (-)
Gray	Front Right (+)	Violet	Rear Right (+)	Gray	Front Right (+)
Gray/Black	Front Right (-)	Violet/Black	Rear Right (-)	Gray/Black	Front Right (-)
LPH-SPK (D)		LPH-SPK (E)		LPH-SPK (F)	
Rear - Signal to AMP		Signal to AMP (SUB-T)		Power Extension	
Wire Color	Function	Wire Color	Function	Wire Color	Function
Green	Rear Left (+)	Blue	Left (+)	Yellow	Constant 12V
Green/Black	Rear Left (-)	Blue/Black	Left (-)	Red	Accessory
Violet	Rear Right (+)	Red	Right (+)	Black	Ground
Violet/Black	Rear Right (-)	Red/Black	Right (-)		

LPH-SPK (E) Can be use in both front or rear configurations based on user preference.

LPH-SPK (F) Not all vehicles will provide accessory signal (Red Wire).

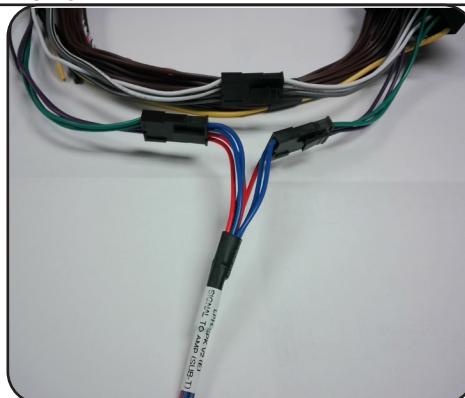
Example Installation - Mono Amplifier - LPH-SPK(E)



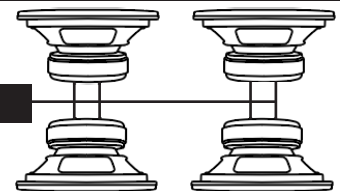
For this application you will want to split either the front or rear channels on the main LPH harness and insert (LPH-SPK(E)) in between. (See Photo).

This will provide a High-Level output for various devices such as an Amplifier, DSP, or LOC that can accept a high-level input signal.

LPH-SPK(F) can be used to provide Power, Ground, and in some cases Acc for your audio adapter (See Photo Bottom Right).



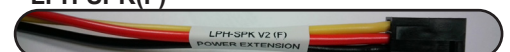
OEM RADIO HARNESS



You will want to test your vehicles factory speaker signal to verify that low level frequencies are present.

This example will also maintain your factory speaker connection as it is bypassed though the harness.

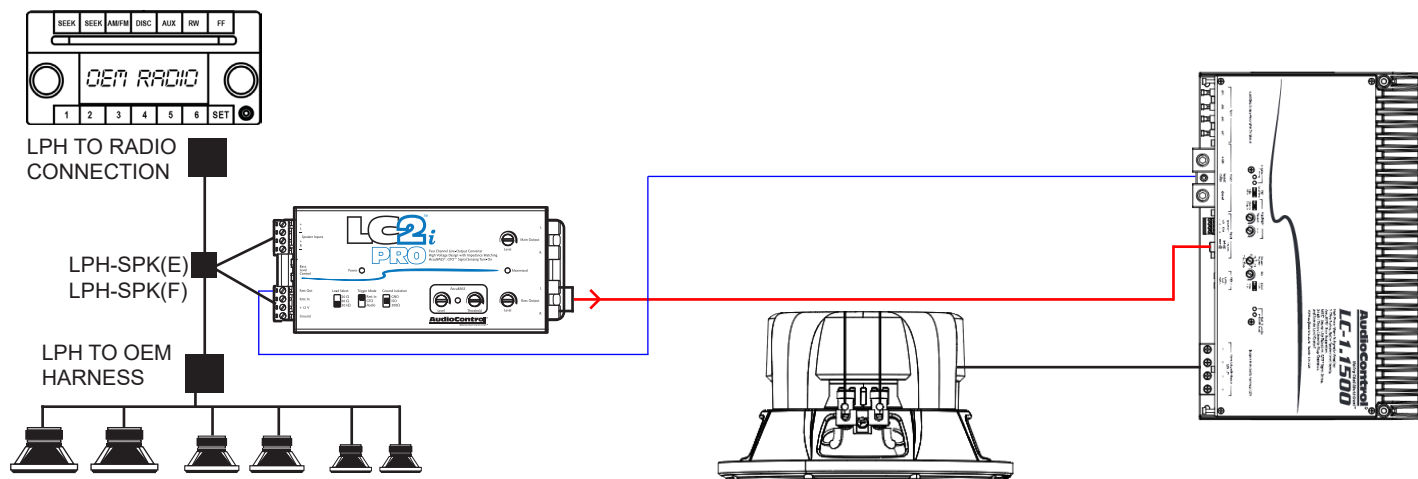
LPH-SPK(F)



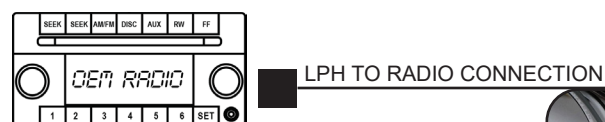
LPH Harness Instruction Guide



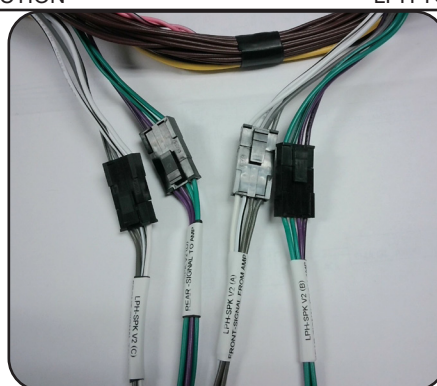
Example Installation - Mono Amplifier - LPH-SPK(E) Continued



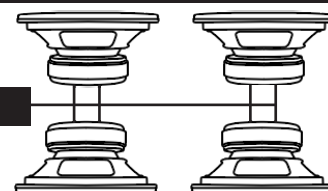
Example Installation - Multi-Channel Amplifier - LPH-SPK(A/B/C/D)



For this application you will want to split either the front and / or rear channels on the main LPH harness and insert LPH-SPK(A-D) in between. (See Photo).



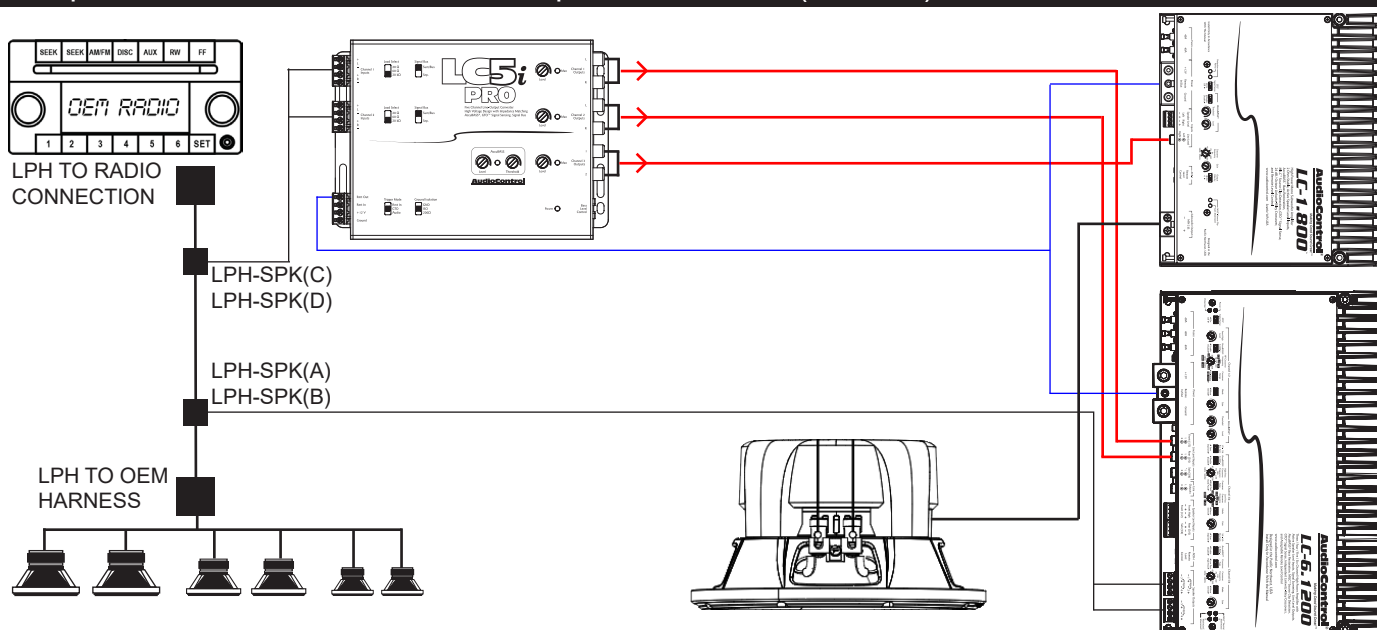
LPH TO OEM HARNESS



Harnesses LPH-SPK(C) and LPH-SPK (D) will provide a High-Level output for various devices such as an Amplifier, DSP, or LOC that can accept a high-level input signal.

Harnesses LPH-SPK(A) and LPH-SPK(B) will allow you to run the output of your new aftermarket amplifier back through you factory wiring.

Example Installation - Multi-Channel Amplifier - LPH-SPK(A/B/C/D) Continued





**LOC PRO
ADVANCED**
T-HARNESSES

UPGRADE YOUR SOUND KEEP YOUR FACTORY RADIO

SELECT YOUR LPH or APH HARNESS

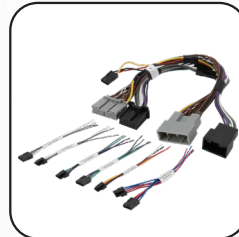
1985+ Toyota Factory Radio T-Harness with non-amplified system for hi-level speaker out LOC PRO Advanced T-Harness for Toyota factory radio with non-amplified system and BHA1761 type connector
LPHTY01



LGD-20 REQUIRED



2019+ Toyota Factory Radio T-Harness with non-amplified system for hi-level speaker out LOC PRO Advanced T-Harness for Toyota factory radio with non-amplified system and BHA1765 type connector
LPHTY02



LGD-20 REQUIRED



2002+ Infinity Nissan Subaru Factory Radio T-Harness with non-amplified system for hi-level speaker out LOC PRO Advanced T-Harness for Infinity Nissan Subaru with 20-Pin connector
LPHNI03



LGD-20 REQUIRED



DOWNLOADS:

LGD QUICK REFERENCE GUIDE

[Click here to download](#)

LGD QUICK INSTRUCTION MANUAL

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APH & LPH HARNESSES

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2007+ Chrysler Dodge Jeep Factory Radio T-Harness with non-amplified system for hi-level speaker out LOCPRO Advanced T-Harness for Chrysler with 22-Pin connector
LPHCH21



2018 and Up
LGD-20 REQUIRED



2007-2017
LGD REQUIRED



2013+ Chrysler Dodge Factory Radio T-Harness with non-amplified system for hi-level speaker out LOCPRO Advanced T-Harness for Chrysler factory radio with non amplified system and 52-pin locking type connector
LPHCH41



2018 and Up
LGD-20 REQUIRED



2007-2017
LGD REQUIRED



2011+ Ford Factory Radio T-Harness with non-amplified system for hi-level speaker out LOCPRO Advanced T-Harness for Ford with 24-Pin connector
LPHFD21



LGD-20 REQUIRED



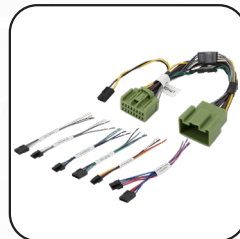
2018-2022 Ford Factory Radio T-Harness with non-amplified system for hi-level speaker out LOCPRO Advanced T-Harness for Ford with 32-Pin connector
LPHFD31



LGD-20 REQUIRED



2014+ GM Factory Radio T-Harness with non-amplified system for hi-level speaker out LOCPRO Advanced T-Harness for GM IOB/IO5/IO6 non-BOSE Infotainment System with 32-Pin connector
LPHGM51



LGD-20 REQUIRED



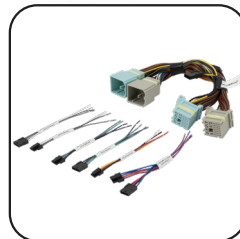
2016+ GM Factory Radio T-Harness with non-amplified system for hi-level speaker out LOCPRO Advanced T-Harness for GM IOA/IOB Infotainment System
LPHGM52



LGD-20 REQUIRED



2019+ GM Factory Radio T-Harness with non-BOSE system for hi-level speaker out LOCPRO Advanced T-Harness for GM factory radio with non-BOSE system and 2/29 pin connector
LPHGM71



LGD-20 REQUIRED





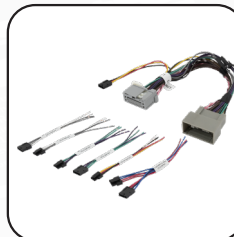
2006-2011 Honda Factory Radio T-Harness with non-amplified system for hi-level speaker out
LOCPRO Advanced T-Harness for Honda with 17-Pin connector
LPHHD02



LGD-20 REQUIRED



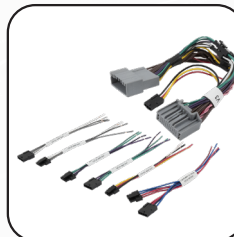
2008-2021 Honda Factory Radio T-Harness with non-amplified system for hi-level speaker out
LOCPRO Advanced T-Harness for Honda factory radio with non amplified system and 24-pin type connector
LPHHD03



LGD-20 REQUIRED



2016-2021 Honda Factory Radio T-Harness with non-amplified system for hi-level speaker out
LOCPRO Advanced T-Harness for Honda with 24-Pin connector
LPHHD04



LGD-20 REQUIRED



2009-2015 Hyundai/Kia Factory Radio T-Harness with non-amplified system for hi-level speaker out
LOCPRO Advanced T-Harness for Hyundai/Kia with 16-Pin connector
LPHHY03



LGD-20 REQUIRED



2010-2018 Hyundai/Kia Factory Radio T-Harness with non-amplified system for hi-level speaker out
LOCPRO Advanced T-Harness for Hyundai/Kia with 18 & 24-Pin connector
LPHHY04



LGD-20 REQUIRED



2017-2020 Hyundai/Kia Factory Radio T-Harness with non-amplified system for hi-level speaker out
LOCPRO Advanced T-Harness for Hyundai/Kia with 35 & 38-Pin connector
LPHHY06



LGD-20 REQUIRED



Tesla Model 3 & Y Vehicle Specific Audio Integration T-Harness for Tesla with 16-Pin MCU & 12 & 12-Pin Amplifier connector
LPHTSL01



LGD REQUIRED





2001-2017 European Vehicles Factory Radio T-Harness with non-amplified system for hi-level speaker out LOCPRO Advanced T-Harness for European Vehicles with 16-Pin connector
LPHVW01



LGD-20 REQUIRED



LPH Speaker Harness Extension Speaker High-Level Input & Output 17 Feet in Length
LPHEXT17



APH HARNESSES

2007-2019 Ford vehicles with factory amplified sound systems
APH-FD01



LGD REQUIRED



2018-2019 Ford vehicles with factory B&O amplified sound systems
APH-FD02



LGD-20 REQUIRED



Chrysler, Dodge, Jeep, and RAM vehicles with factory amplified sound systems
APH-CH01



LGD REQUIRED



Chrysler vehicles with factory amplified sound systems
APH-CH03



LGD REQUIRED





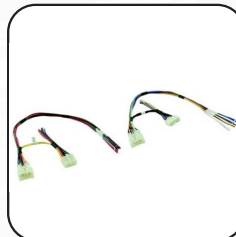
2014-2019 GM vehicles with factory amplified sound systems
APH-GM02



LGD-60 REQUIRED



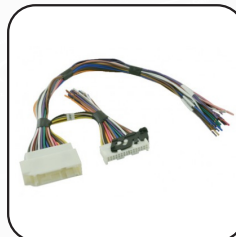
2005-2017 Toyota vehicles with factory amplified sound systems
APH-TY01



LGD-60 REQUIRED



2012-2018 Toyota Lexus vehicles with factory amplified sound systems
APH-TY02



LGD-60 REQUIRED



2003-2010 Toyota vehicles with factory amplified sound systems
APH-TY03



LGD-60 REQUIRED



2006-2018 Toyota Lexus vehicles with factory amplified sound systems
APH-TY04



LGD-60 REQUIRED



System Example 1

LPH-TY01

05'-19' TACOMA NON-AMPLIFIED
STOCK SYSTEM: 6 SPEAKERS NO SUB



System Example 2

LPH-TY01

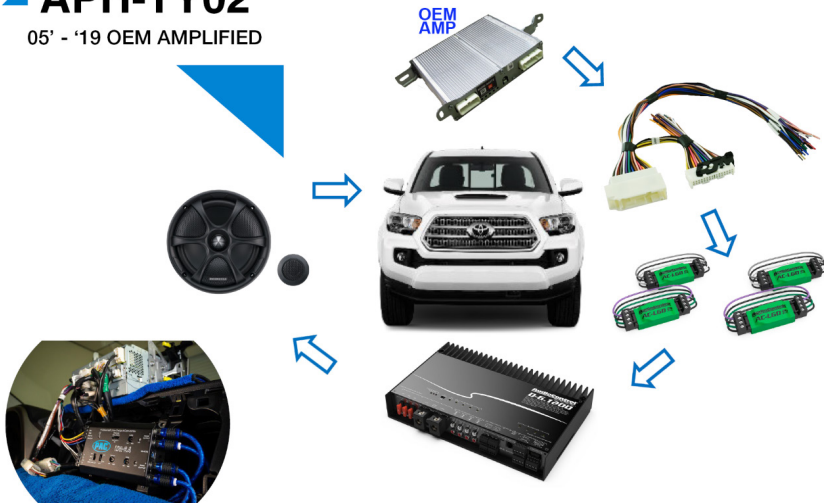
05'-19' TACOMA NON-AMPLIFIED
STOCK SYSTEM: 6 SPEAKERS NO SUB



System Example 1

APH-TY02

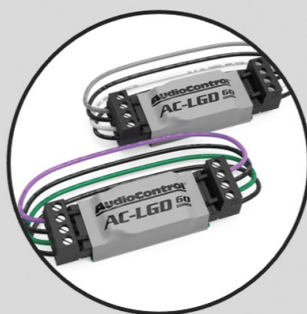
05' - '19 OEM AMPLIFIED



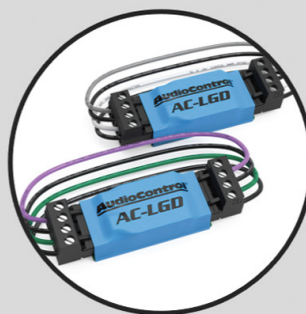
AC-LGD Quick Reference Guide



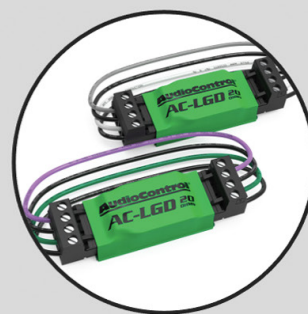
AudioControl LGD's install in-between the factory signal source & the aftermarket equipment's inputs, making them simple to install, and an inexpensive way to ensure your OE integration installation performs the way it should!



AC-LGD60 for 2018+ vehicles
WITH AMPLIFIED OEM systems



AC-LGD for 2005-2015 vehicles
ALL MAKES/MODELS



AC-LGD20 for 2018+ vehicles
W/O AMPLIFIED OEM systems

Common examples of vehicles that benefit from LGD's:

- Toyota
- Dodge/Ram
- Honda
- Ford
- Chrysler
- Alfa Romeo
- Fiat
- Harley-Davidson
- Jeep
- Subaru with STARLINK
- GM
- Maserati

Today's factory sound systems include more Class D amplifier technology which can mute, distort or emit damaging frequencies to your new aftermarket audio equipment when the factory system no longer senses an impedance load present on its outputs. Using carefully selected resistors and a Zobel Network (AC-LGD), the AC-LGD series has been designed to generate load and stabilize signal from the factory system to ensure the best possible audio.