

MOTORCYCLE

# ARC AUDIO

THE BRAND PROFESSIONALS USE



KITS  
SPEAKERS  
AMPLIFIERS  
PROCESSORS  
INSTALLATION SOLUTIONS

MOTORCYCLE AUDIO  
PRODUCT CATALOG

2020



2000-2013

# MOTORCYCLE AUDIO KITS

M.P.A.K. 13

Looking for the most out of your audio system for your 2000-2013 HD motorcycle? The MPAK 13 is an all in one kit designed to deliver the most out of your 2000-2013

HD Bagger's audio system without the headache of heavy modifications, and a ton of added weight to your motorcycle.

Designed to work within the confines of your bike's OEM fairing, the MPAK 13 utilizes the inner cavity for over 700 watts of power from the ARC Audio MOTO720 amplifier all without taking any valuable space in your bags. The MOTO720 not only produces a lot of power it is also ultra-efficient so it works within the design and limitations of your bikes factory charging system.

All MPAK kits come with all provisions for both StreetGlide and RoadGlide HD Baggers including complete plug and play harness, upgraded heavy duty power and ground cable to the battery, complete mounting and installation hardware, speakers and speaker adapter rings.



MOTO720



HD-FH2013



MOTO602V2



6.5" SPEAKER  
ADAPTER RINGS

## SPECIFICATIONS

### MPAK13CX

### MPAK13HD

MOTO720 AMPLIFIER-  
HD-FH2013 HARNESS-  
HD-FH2014 HARNESS-  
RG15-  
6.5" ADAPTER RINGS-  
MOTO602 6.5 SPEAKERS-  
MOTO602 HD SPEAKERS-  
MOUNTING HARDWARE-  
PSM (SOUND PROCESSOR)-  
AMPLIFIER POWER @4-OHMS-  
AMPLIFIER POWER @2-OHMS-  
FREQ RESPONSE (OEM SOURCE)-  
FREQ RESPONSE (AFTERMARKET SOURCE)-  
FANCOOLED-

INCLUDED	INCLUDED
INCLUDED	INCLUDED
N/A	N/A
N/A	N/A
INCLUDED	INCLUDED
INCLUDED	N/A
N/A	INCLUDED
INCLUDED	INCLUDED
(OPTIONAL)	(OPTIONAL)
4 X 150 WATTS	4 X 150 WATTS
4 X 180 WATTS	4 X 180 WATTS
85HZ - 20KhZ	85HZ - 20KhZ
10hZ - 20KhZ	10hZ - 20KhZ
YES (INTERNAL)	YES (INTERNAL)



# MOTORCYCLE AUDIO KITS

## M.P.A.K. 14

6.5" SPEAKER  
ADAPTER RINGS



Integrating an updated audio system into today's second generation HD Baggers has never been easier. The ARC Audio MPAK 14 kit offers complete plug and play solutions for most every HD Street Glide and Road Glide bagger from 2014 and up!

Complete with your choice of speaker types from high-efficiency motorcycle specific coaxial design to a high-output horn-loaded compression driven coaxial design riders can choose what suits their listening style the best with the results they have only dreamed of.

Each MPAK 14 comes with the same MOTO720 ultra-efficient high-power amplifier found in the MPAK 13 kit but with a the Single piece HD\_FH2014 wiring kit and updated mounting bracket adapters that give you a clean and simply installation that requires not one wire to be cut and not one modification to be made to the bike but with nothing but raw performance as the result.

Want a little more? Purchase the ARC Audio PSM and harness the power of this in-house designed DSP that helps correct the factory EQ curve that is embedded into the factory HD radio. Going a bit further the PSM DSP gives users the ability to customize the tune on their motorcycle to cater to their specific listening style and needs.

RG15



HD-FH2014



MOTO602HD



### SPECIFICATIONS

MOTO720 AMPLIFIER-  
HD-FH2013 HARNESS-  
HD-FH2014 HARNESS-  
RG15-  
6.5" ADAPTER RINGS-  
MOTO602 6.5 SPEAKERS-  
MOTO602 HD SPEAKERS-  
MOUNTING HARDWARE-  
PSM (SOUND PROCESSOR)-  
AMPLIFIER POWER @4-OHMS-  
AMPLIFIER POWER @2-OHMS-  
FREQ RESPONSE (OEM SOURCE)\*  
FREQ RESPONSE (AFTERMARKET SOURCE)\*  
FANCOOLED-

### MPAK14CX

### MPAK14HD

INCLUDED	INCLUDED
N/A	N/A
INCLUDED	INCLUDED
INCLUDED	INCLUDED
N/A	N/A
INCLUDED	N/A
N/A	INCLUDED
N/A	INCLUDED
(OPTIONAL)	(OPTIONAL)
4 X 150 WATTS	4 X 150 WATTS
4 X 180 WATTS	4 X 180 WATTS
85HZ - 20KHz	85HZ - 20KHz
10Hz - 20KHz	10Hz - 20KHz
YES (INTERNAL)	YES (INTERNAL)



# MOTORCYCLE AUDIO

## AMPLIFIERS

Today's Harley Davidson motorcycles look great and ride great but leave music lovers wanting more! ARC Audio amplifiers are designed to work with your motorcycle rather than against it with unique ultra-high efficient and high power designs that don't strain the limits of your factory electrical system. These compact, high-power amplifier solutions offer different levels of power and performance meeting a wide range of application and listening needs while allowing you to retain your saddlebag space by fitting nicely in your stock HD motorcycle fairing.



KS125.2BX2 Mini



MOTO720



### SPECIFICATIONS

#### MOTO 720

#### KS125.2 Mini

4 Channels @ 4-Ohms-  
4 Channels @ 2-Ohms-  
2 Channels @ 4-Ohms-  
1 Channel @ 4-Ohms-  
1 Channel @ 2-Ohms-  
1 Channel @ 1-Ohms-  
Frequency Response-  
Bass Boost-  
Remote Included-  
Balanced Differential Input-  
Ultra-Efficient Design-  
Fan Cooled-  
Dimensions-

150 Watts	N/A
180 Watts	N/A
360 Watts	70 Watts
N/A	250 Watts
N/A	N/A
N/A	N/A
20Hz - 20kHz	20Hz - 20kHz
N/A	No(Equipped with BX2)
N/A	N/A
Yes	Yes
Yes	Yes
Yes	Yes
8.125" (L)	8.25" (L)
5.0" (W)	4.8" (W)
1.75" (H)	1.75" (H)

### Features

- Quick Lock Signal Connectors
- LED System Status and Diagnostics
- Fully Balanced Differential Input Stage
- Auto Detect Remote Turn-On for Easy Integration
- High Capacity Power Supply and Energy Storage
- Audiophile High-Speed Class-D Output Topology
- Ultra High-Frequency Power Supply
- Conformally Coated PCB and Electronics for Moisture Resistance
- Precision Filtering Prevents Radio Reception Interference
- Optimized for Operation with the Factory Charging System



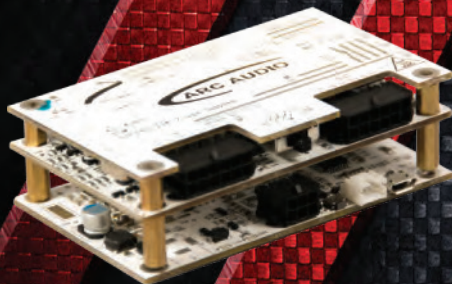
# INTEGRATION & TUNING

MUSIC



**HD Factory Radio  
READY!!**

All PSM's come preprogrammed counter-tune for the 2017+HD Streetglide and Roadglide factory radios. Looking for a different sound? No Problem! Simply hook up your Windows 8+ laptop and use the PSM software to custom tailor your sound to your own personal listening style.



## Features

- Designed in the USA
- Water Resistant Design
- Advanced DSP Technology
- Programmable with Windows-Based Computers
- Harley-Davidson Factory Counter-Tunes Available
- Up to 8V of Output for Increased Dynamics
- Plug-and-Play Design for Hassle-Free Installation
- Intuitive User Interface for Easy System Configuration
- Compact Design Fits Inside Fairing, Even When Using The Moto720 Amplifier.

The compact and powerful ARC Audio PSM Digital Sound Processor provides the flexibility and control to tailor your sound system to your own personal style. Advanced features allow for integration and correction with some of today's more advanced OEM sound systems on your motorcycle on in your vehicle.

Using ARC Audios Next Gen interface and microprocessor technology the PSM combines 42 bands of fully variable parametric equalization, open architecture crossover selection, signal delay and polarity control to deliver the highest level of integration and tuning power available - all at a fraction of the cost of competitors products.



## SPECIFICATIONS

## PSM Digital Sound Processor

Operating Voltage-  
Input Sensitivity (Low Level)-  
Input Sensitivity (Speaker Level)-  
Channels Input-  
Outputs-  
Output Voltage-  
Frequency Response-  
Equalization (Parametric)-  
Signal Delay-  
Crossovers-  
Phase Adjustment-  
Crossover Slopes-  
Crossover Damping-  
Remote Level Control-  
HD Pretuned for OEM correction-  
Plus & Play

9V - 16.2V (Start Stop Compliant to 6V)  
40mV - 4V RMS  
120mV - 12V RMS  
6-Channels  
6-Channels  
Up to 8 Volts  
20Hz - 22kHz  
42 bands (7 bands per Ch. User defined)  
Up to 5ms per channel in .02 increments  
AP/HP/BP/LP on all channels  
All channels +/- 180 Degrees  
12dB, 24dB, 36dB, 48dB (All Channels)  
Butterworth, Linkwitz-Riley, Bessel  
Yes (Optional, LR1 Controller)  
Yes- On some models and configurations  
Yes, W/Moto 720 and ARC moto harnesses



# MOTO SERIES

## SPEAKERS

Designed by ARC Audio's acoustical engineering division, Moto Series speakers are designed using carefully selected and tested weather-friendly materials and components providing riders with a performance driven solution that delivers and unparalleled musical experience on their motorcycles without compromise of quality.



MOTO602



All MOTO Series coaxial speakers are equipped with a dual stage accordion rubber flex gasket allowing for a complete seal and weather resistance to the speakers inner electrical components



Each MOTO Series coaxial speaker is equipped with a durable, reinforced composite based tweeter cradle that is adjustable by the users so they can stay in the focus point of their speakers giving them the best sound possible.



Designed with the latest in adhesives, hi-temperature materials and CNC cut balanced voice coil venting each MOTO series speaker gives motorcycle riders control and protection from the extreme operating temperatures that can be achieved in the motorcycle environment.



OEM fitment in today's HD baggers can be a challenge. Creating the clearance needed for full operation of the movement of the speaker under hi-volume operation each MOTO Series coaxial speaker is outfitted with a progressive inverted accordion surround eliminating impact with the fairing.

### SPECIFICATIONS

#### MOTO602V2

#### MOTO692

#### MOTO6.2

Speaker Type-  
MR Size-  
Mid Max Power-  
Mid RMS Power-  
Mounting Depth-  
Tweeter Size-  
TW Max Power-  
TW RMS Power-  
Sensitivity-  
Crossovers-  
Frequency Response-  
Impedance-  
Includes Grills-  
Open Environment Protection-

Coaxial	Coaxial	Component
6.5"	6" x 9"	6.5"
160 Watts	180 Watts	240 Watts
80 Watts	80 Watts	80 Watts
2 9/16"	3 1/2"	2 9/16"
28mm	28mm	28mm
N/A- Integrated	N/A- Integrated	100 Watts
N/A- Integrated	N/A Integrated	50 Watts
88dB	87dB	86dB
N/A	N/A	External
65Hz - 20kHz	50Hz - 20kHz	50Hz - 20kHz
4 ohms	4 ohms	4 ohms
Yes	Yes	Yes
Yes	Yes	Yes

### Features

- Composite metal film tweeter
- Low Shore poly butyl surround
- Hi-performance, Hi-output design
- Two2way integrated coaxial design
- Treated progressive Nomex spider
- Weather resistant pole tweeter seal
- Heavy duty cast aluminum basket design
- Hi-Temperature precision wound voice coil
- Environmental treatments on all components
- Compatible designs for HD bagger motorcycles 2000-2020+



# MOTO SERIES

## HORN DRIVERS

### SPEAKERS



Integrated into the depths of the design this precision cut Titanium dome delivers the output necessary for that in-your-face audio experience desired by the most demanding listeners.



The integrated compression is channeled through the center of the motor via a precision CNC cut aluminum horn opening. Keeping it water-tight the opening is covered with a hydrophobic acoustically transparent material that keeps the sound the way it should while keeping the water out!



Traditional spade terminal connections allow users to direct connect to the HD enclosure speaker connection without having to cut or modify the factory HD harness as well as direct plug-and-play connection to the ARC Audio MOTO Series amplifier wiring harnesses.



Lightweight hydrophobic treated reinforced pulp fiber based cone design give the main cone of the speaker its demanding strength and low mass needed to keep this design sounding good while remaining extremely efficient at high volume levels!



#### SPECIFICATIONS

#### MOTO602HD MOTO572HD MOTO692HD

#### Features

- Titanium dome compression driver
- Hydrophobic acoustically transparent HLCD seal for all-weather resistance
- Hi-Temperature durable copper voice coil
- Hydro treated progressive Nomex spider
- Hi-Efficiency hi-output design
- Reinforced composite ABS basket design
- Environmental treatments on all components
- OEM fit designs for stock locations
- Compatible designs for HD bagger motorcycles 2000-2020+

Speaker Type-  
MR Size-  
Mid Max Power-  
Mid RMS Power-  
Mounting Depth-  
Tweeter Size-  
TW Max Power-  
TW RMS Power-  
Sensitivity-  
Crossovers-  
Frequency Response-  
Impedance-  
Includes Grills-  
Open Enviornment Protection-

HLCD - Coaxial	HLCD - Coaxial	HLCD - Coaxial
6.5"	5" x 7"	6" x 9"
250 Watts	TBA	TBA
125 Watts	TBA	TBA
2 5/8"	TBA	TBA
HLCD	TBA	TBA
N/A- Integrated	TBA	TBA
N/A- Integrated	TBA	TBA
94dB	TBA	TBA
N/A	TBA	TBA
70Hz - 20kHz	TBA	TBA
4 ohms	4 ohms	4 ohms
No	Yes	Yes
Yes	Yes	Yes



# MOTO INSTALL SERIES

## HARNESSES

### HD-FH2014

- Harness includes HDHarness, HD Power and 2014+ HD Adapter Harness In A Single Piece Design
- Designed to Work With Most 2014+ HD Bagger Motorcycles
- Plug & Play Ready With The Moto 720 & KS125.2 Mini Amplifiers
- Includes required signal preloads for all variations of HD bikes

### HD-FH2013

- Harness includes HDHarness w/preloads, HD Power and relative connections In A Single Piece Design
- Designed to Work With Most 99-2013 HD Bagger Motorcycles
- Plug & Play Ready With The Moto 720 & KS125.2 Mini Amplifiers
- Includes required signal preloads for all variations of bikes

### 2014+ HD ADAPTER HARNESS

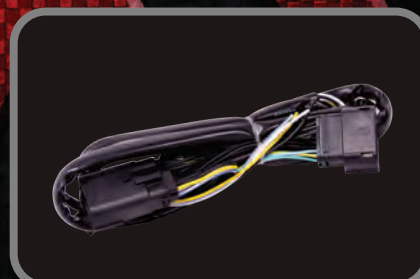
- Designed to Interface Exclusively with the ARC Audio HD Harness
- Allows Plug-and-Play Connection for 2014+ Harley-Davidson models (NOT NEEDED IF USING THE HD-FH2014 HARNESS)
- Plug-and-Play Integration with Factory Speaker enclosures
- No Wiring Modifications Required
- Includes Factory Terminal Connection Pigtail for Remote
- Turn-On Without Tapping into the Accessory Harness

### HD POWER

- High-Current Amplifier Power Harness
- Pre-Terminated for Easy Installation
- 100% Pure Oxygen-Free Copper Wire
- Supplemental Harness to the HD Harness
- Required for Installation of the Moto 600.4
- Pre-Loomed in OEM-Grade Wire Loom
- Includes Molded High-Current Fuse Holder and Fuse

### HD-RSH

- Plug-and-Play Rear Speaker Interface Harness
- Compatible with all 2014+ HD Dresser Motorcycles with Rear Tour-Pak Speakers
- Plug-and-Play T-Harness Interface Behind Riders Seat
- MPAK 10, 11 and 12 Interface-Ready (With or Without PSM)
- Retains all Rear Rider Audio and Auxiliary Audio Controls
- OEM Watertight Molex Connectors Interface with Factory Connectors





# MOTO SERIES

MOTO  
INSTALL

ADAPTERS ETC



## RG-15

- Amplifier Install Plate for 2015+ Road Glide Motorcycles
- Heavy-Duty Corrosion Resistant All-Metal Design
- Includes all Amplifier Mounting Hardware
- No Cutting or Modification Required for Installation
- Compatible with KS125.2 and MOTO 600.4 Amplifiers



## 6.5 ADAPTER RINGS

- Allows for use of 6.5" Speakers Without Modifications
- Made of High-Temp Glass Fiber Reinforced ABS
- Replaces Factory Speaker Spacers
- Slim Profile w/Improved Speaker Performance
- Increased Midbass Response and Overall Volume
- Compatible with 1999-2013 Street Glide and 1999-2014 Road Glide Motorcycles



## HD FLAT GRILLS

- Replaces Plastic Mesh Grilles on 1999-2013 HD Street Glide Models
- Open Mesh Design Reduces Sound Restriction for Improved Performance and Reduced Distortion
- Treated Metal Resists Corrosion and Fading
- Not Compatible with 2014 and Newer Harley-Davidson Motorcycles

