

ARC AUDIO

THE BRAND PROFESSIONALS USE

MARINE AUDIO



CAR AUDIO



POWERSPORTS
AUDIO



MOTORCYCLE
AUDIO



SPEAKERS

AMPLIFIERS

SUBWOOFERS

OEM INTEGRATION

SOUND PROCESSORS

2016 PRODUCTS CATALOG



CONNECTING THE WORLD WITH MUSIC

Since Arc Audio's conception in 1998, ARC Audio has created one of the worlds largest network's of dedicated professionals, each showing their commitment in sharing my vision of creating one of the largest family oriented networks in the mobile electronics industry.

At ARC Audio our #1 focus is customer service. We strive to create relationships with our dealers and customers, delivering superior customer satisfaction by producing the highest quality products on the market.

Our products deliver maximum performance and quality. Giving our customers more added value for their money. We back our commitment to our customers with one of the highest rated warranty policies in the industry, giving them the security and assurance that should come with any personal investment

Each of our lines feature tried and proven amplifier designs from industry legend Robert Zeff. From the XDi Series series, designed for maximum performance without a Hi-End price, to the KAR (Karabinis) series with an affordable & elegant chassis design and circuit design que's from the SE Series and Robert Zeff, to our flagship line the Signature Edition by Robert Zeff. Arc Audio has something for every kind of music lover.

A handwritten signature in black ink, appearing to read 'Demi Karabinis', written in a cursive style.

Demitrios Karabinis
C.E.O. / Founder Arc Audio Inc.





MORE WORLDWIDE SOUND QUALITY CHAMPIONSHIPS THAN ANY OTHER CAR AUDIO MANUFACTURER



For the past 7 years Team ARC Audio has consisted of a group of people who share the passion and love for car audio. With their combined effort they have continued their legacy of winning more top honors and awards in the lanes than any other competition team.

The teams success can be attributed to the dedication, perseverance, camaraderie and teamwork put forth by its members in combination with the superior designs that ARC Audio has to offer. Along with other competitors worldwide who run ARC Audio products in the competition lanes, ARC Audio continues to showcase its commitment to its customers and its roots by keeping focus on the most important factor of any audio system, The Music.

From everybody here at ARC Audio we want to thank Team ARC Audio family and all of the competitors worldwide for their efforts and the passions that have driven them to better sound and to the sport that we all have grown to love.

-2016 Team ARC Audio USA Members-

Bobby Hilgardner, Brett Nelker, Brian Mitchell, Chad Bui, Chris LaCombe, Jeff Kidwell, Jeremy Daniels, John Fisher, John Marsh, Jorge Delgado, Lee Chavers, Peter Lutz, Scott Paterson, Scott Welch, Steve Head, Walt Bollinger

**LEVEL
1
REFERENCE**



SE4200

Available Configurations

- 1ch
- 2ch
- 3ch
- 4ch
- 5ch
- 6ch

Reference Class A/B

Balanced Inputs

Championship Proven Design

2oz FR4 4-Layer PCB

Speaker Level Input Capability

Onboard Diagnostics

Ultra-High Bias Design

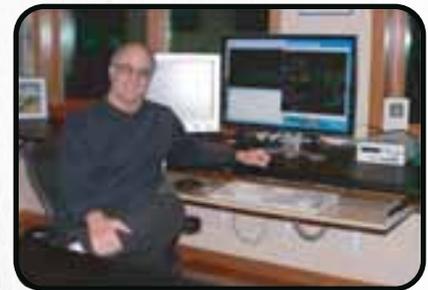
Variable Lighting Control

Fan Cooled Design

Features-

- Designed by Robert Zeff
- Microprocessor diagnostics
- Class A/B switching design
- Block type terminal connections
- Audiophile sound quality based design
- HP/BP/LP/FP Crossovers on all channels
- 12/24Db per octave selectable crossovers
- 256 color user selectable illumination circuit
- Available in 2-Channel and 4-Channel designs
- RJ45 Ethernet true balanced input connections
- Hi/Low level balanced switchblade RCA inputs
- Internal chassis force cooled speed controlled fan
- Handpicked output devices used on all SE amplifiers

"This is the finest amplifier I have ever designed."



"Easily one of the best sounding amplifiers (of any number of channels at any price) I have ever had the honor to audition"

Dave Mckinnon, Technical Editor
Performance Auto and Sound Magazine

	SE2150	SE2300	SE4100	SE4200
4 Channels @ 4 ohms-	N/A	N/A	65 Watts	110 Watts
4 Channels @ 2 ohms-	N/A	N/A	110 Watts	200 Watts
2 Channels @ 4 ohms-	150 Watts	330 Watts	220 Watts	400 Watts
2 Channels @ 2 ohms-	300 Watts	650 Watts	N/A	N/A
1 Channel @ 4 ohms-	600 Watts	1300 Watts	N/A	N/A
Frequency Response-	7Hz - 50kHz	7Hz - 50kHz	4Hz - 100kHz	4Hz - 100kHz
Bass Boost-	Yes	Yes	Yes	Yes
Remote Included-	Yes	Yes	Yes	Yes
Dimensions-	15.5" (L) 8.0" (W) 2.5" (H)	19.5" (L) 8.0" (W) 2.5" (H)	15.5" (L) 8.0" (W) 2.5" (H)	19.5" (L) 8.0" (W) 2.5" (H)

LEVEL

2

PERFORMANCE & QUALITY



Available Configurations

1ch

2ch

3ch

4ch

5ch

6ch

Features-

- 12dB Crossover Slopes
- Designed By Robert Zeff
- Quiet Internal Fan cooling
- Can drive highly reactive loads
- Code based flashing diagnostics
- Built in Crossovers. HP, LP, AP
- Non digital class G/H switching design
- Advanced microprocessor control system
- Microprocessor based protection circuitry
- Optically isolated Mosfet power supply

Class G/H Output	Single Ended Inputs
Class A/B Fidelity	Fan Cooled Design
2oz FR4 4-Layer PCB	Speaker Level Input (Some models)
Onboard Diagnostics	Up to 80% Efficient

Class G/H technology gives you the highest level of reliability and overall performance, increased efficiency and less power demand without the sonic compromises you typically find in Class D amplifiers. Class G/H works with the dynamics of music not against them, giving you the highest level of sound quality, performance and dynamics in a realistically sized package not occupying large amounts of valuable space in your vehicle.

	<i>K5300.2</i>	<i>K5600.2</i>	<i>K53004</i>	<i>K512001</i>	<i>K525001</i>
4 Channels @ 4 ohms-	N/A	N/A	90 Watts	N/A	N/A
4 Channels @ 2 ohms-	N/A	N/A	175 Watts	N/A	N/A
2 Channels @ 4 ohms-	180 Watts	400 Watts	350 Watts	N/A	N/A
1 Channel @ 4 ohms-	N/A	N/A	N/A	650 Watts	750 Watts
1 Channel @ 2 ohms-	N/A	N/A	N/A	1200 Watts	1400 Watts
1 Channel @ 1 ohms-	N/A	N/A	N/A	1000 Watts	2500 Watts
Frequency Response-	5Hz - 50kHz	5Hz - 50kHz	5Hz - 50kHz	5Hz - 250Hz	5Hz - 250Hz
Bass Boost-	Yes	Yes	Yes	Yes	Yes
Remote Included-	No	Yes	No	Yes	Yes
Dimensions-	8.173" (L) 6.268" (W) 2.086" (H)	9.020" (L) 6.268" (W) 2.162" (H)	11.25" (L) 6.268" (L) 2.162" (H)	15.5" (L) 6.268" (L) 2.162" (H)	21.5" (L) 6.268" (L) 2.162" (H)

LEVEL

3

COMPACT
PERFORMANCE



Available Configurations

1ch

2ch

3ch

4ch

5ch

6ch

Class D

Balanced Inputs

Flexiable Ohm Loads

2oz FR4 4-Layer PCB

Fan Cooled Design

Speaker Level Input Capability

Onboard Diagnostics

OEM Integration Ready

Features-

- Ultra-compact chassis design
- Can drive highly reactive loads
- Wide band over voltage protection
- Optically isolated Mosfet power supply
- Improved fitment in compact applications
- Efficiency ratings up to 75% on most models
- Bridge Auto detect mode (Autosense Turn On)
- Class G/H amplifier design for high end quality
- Designed by audio industry engineer Robert Zeff
- Ultra-low ESR Caps and power supply components
- Designed for motorcycle and power sports applications
- Speaker inputs improves OEM integration from most factory radios
- Protection against: Reverse voltage, Speaker Short, and Thermal Overload

KS125.2BX2 mini

KS1254 mini

KSS001 mini

4 Channels @ 4 ohms-	N/A	70 Watts	N/A
4 Channels @ 2 ohms-	N/A	125 Watts	N/A
2 Channels @ 4 ohms-	70 Watts	250 Watts	N/A
2 Channels @ 2 ohms-	70 Watts	N/A	N/A
1 Channel @ 4 ohms-	250 Watts	N/A	300 Watts
1 Channel @ 2 ohms-	N/A	N/A	500 Watts
1 Channel @ 1 ohms-	N/A	N/A	N/A
Frequency Response-	20Hz - 20kHz	20Hz - 20kHz	30Hz - 250Hz
Bass Boost-	Yes	Yes	Yes
Remote Included-	No	No	Yes
Dimensions-	8.25" (L) 4.8" (W) 1.75" (H)	11.625" (L) 4.8" (W) 1.75" (H)	11.625" (L) 4.8" (W) 1.75" (H)



**LEVEL
4**

**PERFORMANCE
& PRICE**



XDi1200.6



Available Configurations

1ch

2ch

3ch

4ch

5ch

6ch

Features-

- Remote Bass Level control capability
- Quick Disconnect speaker terminal plugs
- Audiophile Class D output filter networks
- Detailed microprocessor controlled protection
- Large, High Frequency switching power supplies
- RCA Inputs are compatible with speaker level inputs
- Fault Codes Storage of the last protection code detected
- Signal to Noise Ratio without compromising power output
- Fully Balanced Input Stage significantly increases flexibility
- Ultra Low ESR, High capacity power supply storage capacitors
- Flexible mounting orientation for vertical or horizontal installations
- Next generation high speed Class D technology powering all XDi amplifiers
- Bridged Mode Auto Detect Turn-on works with most chip based OEM Headunits
- Precision filtering isolates the power supply reducing unwanted interference in radio reception

Class D

Balanced Inputs

Flexiable Ohm Loads

2oz FR4 4-Layer PCB

Fan Cooled Design

Speaker Level Input Capability

Onboard Diagnostics

OEM Integration Ready

	<i>XDi 450.4</i>	<i>XDi 600.4</i>	<i>XDi850.5</i>	<i>XDi1100.5</i>	<i>XDi1200.6</i>	<i>XDi6501</i>	<i>XDi11001</i>
4 Channels @ 4 ohms-	85 Watts	150 Watts	85 Watts	150 Watts	150 Watts	N/A	N/A
4 Channels @ 2 ohms-	125 Watts	150 Watts	125 Watts	150 Watts	150 Watts	N/A	N/A
2 Channels @ 4 ohms-	250 Watts	300 Watts	250 Watts	300 Watts	300 Watts	N/A	N/A
2 Channels @ 4 ohms-	N/A	N/A	N/A	N/A	150 Watts (5&6)	N/A	N/A
2 Channels @ 2 ohms-	N/A	N/A	N/A	N/A	300 Watts (5&6)	N/A	N/A
1 Channel @ 4 ohms-	N/A	N/A	225 Watts _(Sub)	275 Watts _(Sub)	600 Watts (5&6)	185 Watts	350 Watts
1 Channel @ 2 ohms-	N/A	N/A	400 Watts _(Sub)	500 Watts _(Sub)	N/A	350 Watts	600 Watts
1 Channel @ 1 ohms-	N/A	N/A	N/A	N/A	N/A	650 Watts	1100 Watts
Frequency Response-	20Hz - 20kHz	20Hz - 20kHz	20Hz - 230Hz	20Hz - 230Hz	20Hz - 20kHz	N/A	N/A
Frequency Response _(sub) -	N/A	N/A	20Hz - 230Hz	20Hz - 230Hz	N/A	20Hz - 20kHz	20Hz - 20kHz
Bass Boost-	12dB @45Hz _(Rear)	12dB@45Hz _(Front)	12dB@45Hz	12dB@45Hz	12dB@45Hz(5&6)	12dB@30-125Hz	12dB@30-125Hz
Remote Included-	No	Yes	Yes	Yes	Yes	Yes	Yes
XDi Trim Kit-	Not Included	Included	Not Included	Included	Included	Not Included	Included
Dimensions-	8.173"(L) 6.268"(W) 2.086"(H)	9.020"(L) 6.268"(W) 2.162"(H)	12.42"(L) 6.268"(W) 2.086"(H)	12.42"(L) 6.268"(W) 2.162"(H)	13.0"(L) 6.268"(W) 2.162"(H)	9.02"(L) 6.268"(W) 2.086"(H)	13.0"(L) 6.268"(W) 2.162"(H)

BLACK SERIES (SPEAKERS)

**LEVEL
1
REFERENCE**

ARC Audio has joined forces with some of the world's leading pro audio speaker engineers to develop the ARC Audio Black Series reference speaker line. Available in full component sets or raw matched pairs the Black Series speaker line is designed with focus placed on transparency, performance and natural reproduction of music the way it was intended to be heard. Black Series offers only the purest, smoothest and most dynamic un-timbered sound available in the car audio industry ultimately creating the finest audiophile speaker to ever hit the car audio market.

Available Sizes

RAW

Coaxial

2-Way Comp

3-Way Comp

OEM Replacement

6x9"



Reference Design

Designed in Denmark

Machined Glass Fiber Former

Modular Crossovers

Hi-Temp Coil Design

Low Shore TLS Surround

CNC Cut Copper Pole Piece

Progressive Nomex Spider

Vented Motor Design

Pulp/Bamboo Fiber Cone



Features-

- Sold in matched pairs
- Vented rear spider and voice coil assembly
- Laminated Pulp/Bamboo fiber reinforced cone
- Precision machined glass fiber voice coil former
- Low Shore TLS injected rubber composite surround
- Audiophile design specifically for the car audio environment
- CNC precision cut extended copper capped motor assembly
- 260 degree Celsius Hi-Temp tempering process on all voice coils
- Symmetrical compliance custom progressive woven Nomex spider



Black Series HPX, LPX and MBX offer the most flexibility and user definability of most any passive crossover on the market. With literally hundreds crossover frequency, slopes and attenuation variations the Black Series passive crossovers are an affordable solution to any high end front stage without the need of expensive digital sound processors.

(Available in component sets or alacart.)

BLACK 1.0 BLACK 4.0 BLACK 5.0 BLACK 6.0 BLACK 4.2 BLACKS.2 BLACK 6.2 BLACK 6.3

Speaker Type-	Raw	Raw	Raw	Raw	2-way Comp	2-way Comp	2-way Comp	2-way Comp
MR Size-	N/A	4.0"	5.25"	6.5"	4.0"	5.25"	6.5"	6.5" & 4.0"
Mid Max Power-	N/A	120 Watts	150 Watts	200Watts	120 Watts	150 Watts	200 Watts	200 Watts
Mid RMS Power-	N/A	60 Watts	75 Watts	100 Watts	60 Watts	75 Watts	100 Watts	100 Watts
Mounting Depth-	N/A	2.45"	2.7"	3.0"	2.45"	2.7"	3.0"	2.45"/3.0"
Tweeter Size-	29mm	N/A	N/A	N/A	29mm	29mm	29mm	29mm
Tw Max Power-	120 Watts	N/A	N/A	N/A	120 Watts	120 Watts	120 Watts	120 Watts
Tw Min Power-	60 Watts	N/A	N/A	N/A	60 Watts	60 Watts	60 Watts	60 Watts
Sensitivity-	92dB	88dB	91dB	92dB	88dB	91dB	91dB	92dB
Crossovers-	N/A	N/A	N/A	N/A	HPX/LPX	HPX/LPX	HPX/LPX	HPX/LPX/MBX
Freq Response-	800Hz - 22kHz	05Hz - 8kHz	75Hz-4kHz	45Hz-3.5kHz	105Hz - 22kHz	75Hz - 22kHz	45Hz - 22kHz	45Hz - 22kHz
Impedance-	4 ohms	4 ohms	4 ohms	4 ohms	4 ohms	4 ohms	4 ohms	4 ohms
Includes Grills-	Integrated	No	No	No	Yes	Yes	Yes	Yes

LEVEL 2

PERFORMANCE & QUALITY



XDi 602

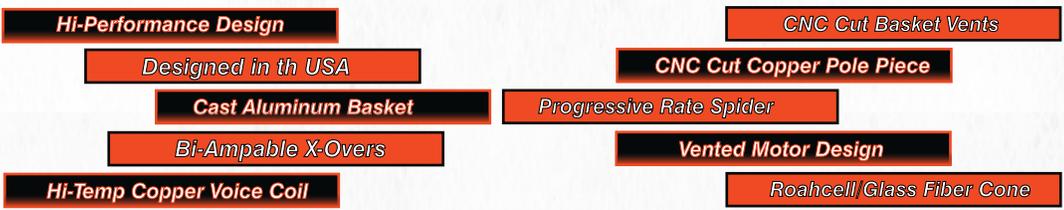
- Available Sizes**
- RAW
 - Coaxial
 - 2-Way Comp
 - 3-Way Comp
 - OEM Replacement
 - 6x9"

Features-

- Low shore poly butyl surround
- Progressive rate SPL linear spider
- Roahcell/Glass Fiber speaker cone
- 28mm neo silk dome tweeter design
- Designed and engineered in the USA
- Ultra Hi-Temp precision wound copper voice coil
- Composite silk dome wool dampened core design
- Open CNC vented rear spider and voice coil assembly
- Heavy duty pressure cast aluminum precision cut basket



XDi 6.2



Emphasizing sonic characteristics traditionally found in the finest home and pro audio component systems, ARC Series coaxial and component speaker systems create new levels of musical enjoyment. Placing emphasis on enhanced midbass ,low frequency response and dynamically engineered midrange for rich, natural pronounced vocals and instrumentation while effectivly enhancing upper frequencies ARC Series speakers give you the most value possible in stepping up your systems acoustical and performance capabilities.

	ARC 1.0	ARC 502	ARC 602	ARC 692	ARC 5.2	ARC 6.2
Speaker Type-	Raw	Coaxial	Coaxial	Coaxial	2-Way Comp	2-Way Comp
MR Size-	N/A	5.25"	6.0"	6" x 9"	5.25"	6.5"
Mid Max Power-	N/A	90 Watts	150 Watts	160 Watts	180 Watts	250 Watts
Mid RMS Power-	N/A	45 Watts	75 Watts	80 Watts	90 Watts	125 Watts
Mounting Depth-	N/A	2 1/4"	2 9/16"	3 1/2"	2 1/4"	2 9/16"
Tweeter Size-	28mm	28mm	28mm	28mm	28mm	28mm
Tw Max Power-	70 Watts	N/A	N/A	N/A	N/A	N/A
Tw Min Power-	60 Watts	N/A	N/A	N/A	N/A	N/A
Sensitivity-	88dB	87dB	88dB	90dB	87dB	88dB
Crossovers-	In-Line Cap	N/A	N/A	N/A	2-Way	2-Way
Freq Response-	2.4Hz - 20kHz	70Hz - 20kHz	50Hz - 20kHz	50Hz - 20kHz	70Hz - 22kHz	50Hz - 20kHz
Impedance-	4 ohms	4 ohms	4 ohms	4 ohms	4 ohms	4 ohms
Includes Grills-	Integrated	Yes	Yes	Yes	Yes	Yes

LEVEL

3

**PERFORMANCE
OEM UPGRADE**

The ARC Audio XDi speaker lineup is the best value and performance of a speaker line in its class. This design allows users to make a progressive step up from any factory OEM system along with enthusiasts looking for a reliable performance oriented speaker that offers the best of both worlds.



XDi602

Features-

- Vented basket design
- PTC Tweeter power protection
- Adjustable tweeter attenuation
- 2-Way Component speaker system
- Hi-Temp Copper/Kapton Voice Coil
- Designed and engineered in the USA
- Heavy duty stamped aluminum basket
- Reinforced injected poly cone material
- Hi-End Audiophile crossover components
- Ultra low distortion linear suspension design

XDi offers users enhanced acoustical considerations including dynamically designed motor structures with enhanced midbass and low frequency response, dynamic midrange and enhanced upper frequencies allowing users to have speakers capable of producing that open, live and realistic sound that you get at concerts and live performances.



XDi6.2

Available Sizes

RAW

Coaxial

2-Way Comp

3-Way Comp

OEM Replacement

6x9"

OEM Replacement Upgrade

Designed in th USA

Stamped Steel Basket

2-Way X-Over's (components)

Hi-Temp Copper Voice Coil

Vented Basket Design

Progressive Rate Spider

Vented Motor Design

XDi:1.0 XDi:402 XDi:462 XDi:502 XDi:572 XDi:602 XDi:693 XDi:5.2 XDi:6.2

	XDi:1.0	XDi:402	XDi:462	XDi:502	XDi:572	XDi:602	XDi:693	XDi:5.2	XDi:6.2
Speaker Type-	Raw	Coaxial	Coaxial	Coaxial	Coaxial	Coaxial	Triaxial	2-Way Comp	2-Way Comp
MR Size-	N/A	4.0"	4" x 6"	5.25"	5" x 7"	6.0"	6" x 9"	5.25"	6.5"
Mid Max Power-	N/A	60 Watts	60 Watts	80 Watts	80 Watts	120 Watts	150 Watts	160 Watts	240 Watts
Mid RMS Power-	N/A	30 Watts	30 Watts	40 Watts	40 Watts	60 Watts	75 Watts	80 Watts	120 Watts
Mounting Depth-	N/A	1 7/8"	1 7/8"	2.0"	2 1/4"	2 1/2"	2 15/16"	2.0"	2 1/2"
Tweeter Size-	28mm	28mm	28mm	28mm	28mm	28mm	28mm	28mm	28mm
Tw Max Power-	60 Watts	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tw Min Power-	30 Watts	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Sensitivity-	88dB	86dB	86dB	86dB	86dB	86dB	86dB	86dB	87dB
Crossovers-	In-Line Cap	N/A	N/A	N/A	N/A	N/A	N/A	2-Way	2-Way
Freq Response-	2.4Hz - 20kHz	70Hz - 20kHz	90Hz-20kHz	50Hz - 20kHz	65Hz-20kHz	55Hz-20kHz	50Hz - 20kHz	70Hz - 22kHz	50Hz - 20kHz
Impedance-	4 ohms	4 ohms	4 ohms	4 ohms	4 ohms	4 ohms	4 ohms	4 ohms	4 ohms
Includes Grills-	Integrated	Yes	No	Yes	No	Yes	Yes	Yes	Yes

LEVEL

1

REFERENCE

Following suit to the Black Series Speaker line, Black Series Subwoofers are engineered and designed with focus placed on transparency, performance and the natural reproduction of music the way it was intended to be heard but with the reinforced ability to provide users with heart stopping dynamic bass and emotion.



BLACK 12V2

Features-

- Linear Audiophile SQ/SPL design
- Advanced Hi-Fi Subwoofer Design
- Precision wound 3" Hi-Temp voice coil
- Progressive rate Nomex PTE woven spider
- Hi pressure cast CNC cut aluminum basket
- Low shore progressive SLA rubber surround
- 4 stage Hi-Temp voice coil tempering process
- Machined fiberglass composite voice coil former
- Hi-Capacity heavy duty spring loaded speaker terminals



Reference SQ Design

Designed in Denmark

Machined Glass Fiber Former

Dual Voice Coil Design

Nomex PTE Spider

3" Hi-Temp Coil Design

Vented Motor Design

Low Shore TLS Surround

Poly/Bamboo Fiber Cone

Double Stack Y30 Magnets

Available Configurations

8"

10"

12"

Dual Voice Coil

Sealed Enclosure Subs

Ported Enclosure Subs

Free Air Friendly Subs



BLACK 10V2

BLACK 12V2

Subwoofer Size-	10"	12"
Max Power Handling (Music)-	800 Watts	1000 Watts
RMS Power Handling-	400 Watts	500 Watts
Xmax-	16mm	16mm
Sensitivity-	84.9dB	86.1dB
Mounting Depth-	5 11/16"	6 1/8"
Cutout Diameter-	9 3/16"	11 13/16"
Sealed Enclosure (Min)-	.65 cuft	1.0cuft
Sealed Enclosure (Opt)-	.85cuft	1.2 cuft
Sealed Enclosure (Max)-	1.1cuft	1.35cuft
Voice Coil Config Available-	Dual 2 or 4 ohm	Dual 2 or 4 ohm

ARC SERIES (SUBWOOFERS)

**LEVEL
2**

**PERFORMANCE
& QUALITY**

Designed and Engineered by one of the leading car audio speaker and subwoofer acoustical engineers in the United States, the ARC Series is your step into the world of Hi-End and all around performance in a single package. Offering an optimized balance of performance and sound quality the ARC Series subwoofer line allows users to have the best of both worlds when it comes to sound quality and ground pounding bass.



Features-

- Stamped Steel Basket
- Hi-Temp black anodized voice coil
- One piece molded rubber surround
- Designed and Engineered in the USA
- Available in Dual 2 or 4 ohm configurations
- Linear acoustical design for maximized dynamics
- Progressive Flat layered spider with integrated tinsel leads
- Designed for small to moderate sized sealed & ported enclosures

- Available Configurations**
- 8"
 - 10"
 - 12"
 - Dual Voice Coil
 - Sealed Enclosure Subs
 - Ported Enclosure Subs
 - Free Air Friendly Subs

- SQL Design
- Designed in the USA
- Stamped Steel Basket
- Dual VC Configuration
- Hi-Temp Coil Design
- Rubber Surround
- Flat Progressive Nomex Spider
- All Weather Poly Cone
- Vented Motor Design
- Free Air Friendly Design



Designed for small to moderate sized enclosures with extremely dynamic power handling, ARC series sub woofers create that enveloped energy and support that we desire in a sound system. For the die-hard sound quality individuals the ARC series subwoofer line is also versatile enough to be incorporated into well-built and designed infinite baffle applications.

	ARC 8	ARC 10	ARC 12
Subwoofer Size-	8"	10"	12"
Max Power Handling (Music)-	300 Watts	500 Watts	700Watts
RMS Power Handling-	150 Watts	250 Watts	350 Watts
Xmax-	15mm	15mm	15mm
Sensitivity-	85.6dB	87dB	89dB
Mounting Depth-	4.5"	5.5"	6.0"
Cutout Diameter-	7.125"	9.125"	11.125"
Sealed Enclosure (Min)-	.35 cuft	.65 cuft	.9 cuft
Sealed Enclosure (Opt)-	.45 cuft	.75 cuft	1.15 cuft
Sealed Enclosure (Max)-	.55 cuft	.85 cuft	1.25 cuft
Voice Coil Config Available-	Dual 2 or 4 ohm	Dual 2 or 4 ohm	Dual 2 or 4 ohm



LEVEL

3

**PERFORMANCE
& PRICE**

Designed and engineered in the USA for the enthusiast and bass lovers alike, ARC Audio XDi series subwoofers deliver the best of both worlds without breaking the bank. Featuring a next generation tempered voice coil design and a balanced roll surround the XDi series takes a technical yet innovative direction to a loud and dynamic subwoofer design.

Available Configurations

8"

10"

12"

Dual Voice
Coil

Sealed
Enclosure
Subs

Ported
Enclosure
Subs

Free Air
Friendly
Subs



SQL Design

Designed in the USA

Stamped Steel Basket

Dual VC Configuration

Hi-Temp Coil Design

Rubber Surround

Flat Progressive Nomex Spider

All Weather Poly Cone

Vented Motor Design

Features-

- Stamped Steep Basket
- Linear Nomex spider design
- One piece molded rubber surround
- Designed and Engineered in the USA
- Available in Dual 2 or 4 ohm configurations
- Next generation Hi-Temp tempered voice coil
- Flat layered spider with integrated tinsel leads
- Designed for moderate sized sealed & ported enclosures



	XDi 10	XDi 12
Subwoofer Size-	10"	12"
Max Power Handling (Music)-	400 Watts	500 Watts
RMS Power Handling-	200 Watts	250 Watts
Xmax-	13.5mm	13.5mm
Sensitivity-	85dB	86dB
Mounting Depth-	5.125"	5.625"
Cutout Diameter-	9.125"	11.125"
Sealed Enclosure (Min)-	.65 cuft	1.0 cuft
Sealed Enclosure (Opt)-	1.0 cuft	1.5 cuft
Sealed Enclosure (Max)-	1.2 cuft	1.75 cuft
Voice Coil Config Available-	Dual 2 or 4 ohm	Dual 2 or 4 ohm

The ARC Audio PS8 is the most advanced digital sound processor in the world. With the most extensive and detailed selections of user defined features the PS8 is the ultimate component for any OEM integration based or audiophile system regardless of complexity.



- Audiophile Design**
- 192 kHz SPDIF transmitter
- Up to 8V RMS RCA output
- Audio Optimized 32-bit DSP
- 3.5mm unbalanced AUX input
- Optical and digital coaxial Inputs
- Real time adjustment and control
- 48 Bit internal sequence processing
- Easy to use PC based user interface
- 6-channel balanced differential inputs
- BTL auto-sense turn on for OEM integration
- Precision .1% tolerance components in the audio path
- Dedicated dual 72 bit algorithm volume control circuits
- Multiple user defined presets (without the need of a controller of PC)
- Programmable remote turn on/off delay circuit Up to 40 seconds on and/or off

"This truly is a black box of digital magic..."
"...Nothing Short of Jaw Dropping."

Garry Springgay, Technical Editor
 Performance Auto and Sound Magazine

PSB

Operating Voltage-	9V - 16.2V
Input Sensitivity (Low Level)-	28mV - 8V RMS
Input Sensitivity (Speaker Level)-	72mV - 20V RMS
Outputs -	8 Channels RCA
Output Voltage-	8 Volts RMS (Adjustable)
Input Impedance (RCA)-	10K Ohms
Input Impedance (Speaker)-	200 Ohms
Frequency Response-	10Hz - 23.5 kHz @ .82 dB max deviation
Gain Range-	88dB
S/N Ratio 1V 1:1-	96.5dB
S/N Ratio 4V 1:1-	108.5dB
S/N Ratio (Digital in)-	109.1dB



- Equalization 1/3rd Octave-
- Equalization Parametric-
- Equalization Resolution-
- Delay-
- Crossovers-
- Phase Control-
- X-Over Slopes-
- X-Over Damping-
- Bluetooth (Streaming Audio)-
- External Controller-
- 248 bands 1/3rd Octave (Linkable)
- 248 Bands (User defined Freq and "Q")
- 1/10th dB per Step +15dB/ -24dB
- Up to 12ms per channel (.02 increments)
- Phase correct AP/HP/LP/BP all channels
- All Channels +/- 180 Degrees
- 6dB, 12dB, 18dB, 24dB, 30dB, 36dB, 42dB, 48dB Slopes (all channels, all bands)
- Butterworth, Linkwitz-Riley, Bessel, Variable Q (All channels all bands)
- Yes - Requires ARC BTM module (Sold Separately)
- Yes - Sold Separately

PSC (PS8 DSP CONTROLLER)

Setting the new standard for DSP controllers the PSC is not just another digital volume control that we are used to from other manufactures. The PSC gives the ultimate level of “at your fingertips tuning power and control” in a single easy to use box.

The PSC controller gives users near unlimited access to most all of the tuning features of the PS8 software utility without the continued use of a computer. (PS8 software utility with compatible windows computer required for initial system setup.



- | | |
|-------------------------------------|--|
| Volume Control - | Fully Variable interface on master volume control |
| System Mute - | Single button quick system mute |
| Fader Control - | Yes - User defined channel assignments in the PS8 GUI |
| Balance Control - | Yes - User defined channel assignments in the PS8 GUI |
| Sub Level Control - | Yes - User defined channel assignments in the PS8 GUI |
| System Turn on/off - | Yes - Single touch system on/off for systems not using a standard source unit or vehicle trigger (iPod systems) |
| Crossover Control - | Yes - Full user defined control of ALL features and functions found in the crossover software utility |
| Third Octave Equalizer Control - | Yes - Full user defined control of ALL features and functions found in the Third Octave software utility including independent and global relative band/channel tuning |
| Parametric Equalizer Control - | No - Only available thru the PS8 software utility |
| Signal Delay Control - | Yes - Full user defined control of ALL features and functions found in the Signal Delay software utility |
| Output Phase Control - | Yes - Full user defined control of ALL features and functions found in the Output Phase software utility |
| Display Type - | Full Color (262k) OLED RGB |
| User Defined Display Color - | User defined color selections of all graphics interface colors throughout the PSC Interface |
| Button Lighting Type - | Yes - Full user defined color interface of all case RGB Lighting |
| Variable Installation Orientation - | PSC is rotatable 180 degrees to increase and increase the amount of locations it can be installed in a vehicle (rotation orientation rotates all mechanical and display functions) |
| Password Protected DSP controls - | Yes - User defined password thru the PS8 GUI |
| Mounting Cradle and Hardware - | Included |
| Connection interface to the PS8 - | Included (20' interface cable) |

BTM (BLUETOOTH MODULE)



BTM (BLUETOOTH MODULE)

- Plug and Play design with the ARC Audio PS8
- Transmits directly into the PS8's SpDif digital input
- No external antennas required
- Fully integrated design into the display face
- Replaces the original PS8 display
- A2DP Compatible
- Bluetooth 2.1 EDR / 3.0 compliant
- Hi-Fi Audio Device

Hi-Resolution Bluetooth audio doesn't get any better than this. No Antennas, bulky modules or additional cards needed. The ARC Audio BTM is the new standard for reference audio with today's DSP technology.

This plug and play design gives users the ability to stream hi-resolution directly into their PS8 as a standalone source (PSC controller required) or as an addition to their already hi-end audio system in a matter of minutes. Four screws, two plugs and you're done!

OEM INTEGRATION & SIGNAL SUMMING

As today's new vehicles become more complex and filled with state of the art technology the ability to personalize your audio system becomes more and more difficult. The ARC Audio S.R.I. gives you a cost effective solution to integrate aftermarket audio components into your vehicles factory source unit without a compromise to quality.



S.R.I

OEM Integration

Designed in the USA

Speaker Level Inputs

Auto Sense Turn-On

Remote Output Lead

Easy Light Based Setup

Aux Input w/Remote Level

Balanced Outputs

8V Outputs

Features-

- 8 volts output on all channels
- Selectable signal ground isolation
- Auxiliary RCA signal input w/remote level control
- Selectable Summing, pass thru channel assignment
- Signal summing capability into a single pair of RCA outputs
- Hi-Impedance input levels to virtually eliminate noise problems
- Multi color set-up LED's with setup disk for easy input level setting
- High/speaker level input w/removable header plugs for easy service
- Turn on output (while in autosense mode) for aftermarket amplifiers etc
- Merge almost any 2-way or 3-way OEM signal into a usable full range signal
- RJ45 high voltage balanced output connectors (for SE amplifier use only) 2/4/6
- Selectable signal sense or traditional turn-on w/patented bridge mode detection circuit



The ARC Audio SRI integration module offers a different and unique approach to OEM integration by creating a simple and yet easy to understand visual setup process. Using the provided setup CD and the turn by sight LED indicators summing your OEM signal is as easy as 1-2-3. In addition ARC Audio's BTL autosense turn-on circuit detects the OEM radio's BTL (Chip) used in most factory radios and stock vehicle amplifiers allowing you to reliably power up your aftermarket components without the risk of anomalies found in other integration devices.

EQ'S, LOC'S & INSTALLATION MODULES

**1/2 DIN EQ'S,
LINE DRIVERS,
LOC'S**



XEQ

KEQS

ALD

Device Type-	Equalizer	Equalizer	Line Driver/LOC
EQ Type-	7-Band	5-Band	N/A
Boost/Cut-	+/- 12dB	+/- 12dB	N/A
Freq Response-	10Hz-50kHz	10Hz-30kHz	20Hz-20kHz
S/N Ratio-	100dB	101dB	118dB
THD-	.005%	.01%	.05%
Input Type-	RCA	RCA	RCA/Speaker
Signal Input (Max)-	8V Max(RCA)	4V Max(RCA)	6V Max(RCA)
Signal Output (Max)-	8V	5V	8V
Input Impedance-	10k Ohms	10k Ohms	10k Ohms
Output Impedance-	1k Ohms	1k Ohms	1k Ohms
Dimensions-	Half Din Standard	Half Din Standard	3.0"(L)x3.5"(W)x1.0"(H)

Fine tuning without the high price of a digital sound processor, that's what ARC Audio's line of equalizers, cross-overs and line drivers are all about. Small, affordable and with the tools you need to fine tune and personalize your system to fit your listening needs. Have the power of basic tuning at your fingertips while boosting the signal level to your amplifiers, increasing your overall output and dynamic performance without the risk of inducing unwanted noises.

INSTALLATION SOLUTIONS

BXM

NGM

ADM

PSM

BXM

BX2 IN-LINE BASS ENHANCEMENT



- RCA In-Line Bass Enhancement
- Ideal for small speakers and subs
- Can increase efficiency of amplifier
- No additional mechanical demand on speakers
- Great for motorcycles, vehicles with small speaker restriction and subs with limited enclosure space
- Restores low frequency signal in OEM systems

NGM

SIGNAL NOISE GATE MODULE



Shipping Q2 2016

- Filters OEM system noise floor.
- High Voltage Speaker level input
- Optional Full muting gate.
- 2KHz filtered output eliminates sudden losses of output.
- Removes background noise noticeable between tracks created by the factory head unit and poor quality electronics.

ADM

SIGNAL AUTO-DETECT MODULE



Shipping Q2 2016

- Can detect literally any switching signal (AC Signal / DC Signal / Speaker Level)
- Ideal for OEM integration applications where no dedicated remote turn on lead is available
- Perfect for integration of automation, lighting etc
- Dual 5V & 12V triggered outputs
- Each output is individually adjustable up to 10 seconds of delay

PSM

DSP-OEM SIGNAL CORRECTION



Shipping Q2 2016

- Helps correct and balance OEM Signals
- Weather resistant DSP suitable for use in motorcycles, boat and UTVs.
- 6 Channels input
- Full mixer for OEM signal summing application.
- 12dB, 24dB and 48dB crossover slope options.
- Bandpass crossover option on every channel
- 7 Band parametric EQs on every channel.

Hi-Performance audio for your HD motorcycle without the loss of your saddle bags? For most this is an unheard combination that has resulted in the loss of all storage space and/or utility of your motorcycle. The ARC Audio MPAK (Motorcycle Performance Audio Kits) gives users a single package solution that lets riders upgrade their factory HD motorcycle audio system while keeping their precious cargo space.



Features-

- Improves low end frequency response
- Improves overall volume and frequency response
- Installs discretely inside your motorcycles fairing
- No Loss of space in your side bags or touring pack
- Retain all factory handle bar stereo controls and features
- Speakers mount to factory locations with no modifications
- Designed to work with factory motorcycle charging system
- Multiple kits to allow different levels of performance and fitment
- Full step-by-step color instruction manual for easy DIY installation
- Compatible with "most" all HD Street Glide and Road Glide models from 1999 -2014
- Most kits include 6.5" adapter rings for more overall performance and a bigger sound
- Plug and play wire harness allows for cut free installation avoiding possible warranty issues
- MPAK 1-7 Kits include HD Hi-Performance flat grills for unrestricted speaker output

All M.P.A.K. Kits include the KS125.2BX2 Mini amplifier equipped with BX2 bass technology. BX2 is a bass frequency extension technology that provides users with additional bass and low frequencies without placing additional mechanical demand on the speakers.



2000-2013 Harley Davidson Street Glide



KS125.2BX2 Mini Force Induction Cooling Fan

1999 - 2013 HD Street Glide / 1999 - 2014 HD Roadglide Compatible MPAK Kits

MPAK KITS	MPAK0	MPAK1	MPAK2	MPAK3	MPAK4	MPAK5	MPAK6	MPAK7
KS125.2 BX2 Mini-	X	X	X	X	X	X	X	X
HD PNP wire Kit-	X	X	X	X	X	X	X	X
2014 Harness Add-on-	X	-	-	-	-	-	-	-
6.5" Adapter Rings-	X	-	-	-	X	X	X	X
XDi502 5.25" Coaxial -	-	X	-	X	-	-	-	-
XDi5.2 5.25" Comp -	-	-	X	X	-	-	-	-
XDi602 6.5" Coaxial -	-	-	-	-	X	-	-	-
XDi6.2 6.5" Comp -	-	-	-	-	-	X	-	-
Moto602 6.5" Coaxial -	-	-	-	-	-	-	X	-
Moto6.2 6.5" Comp -	-	-	-	-	-	-	-	X
HD Flat Grills-	-	X	X	X	X	X	X	X

Riding the highway has never sounded so good for the newest HD motorcycles. ARC Audio's 600 watt Moto 600.4 amplifier now comes in a complete plug and play package using the same warranty friendly integration techniques found in earlier model packages.

ARC Audio's newest line of MPAK kits give riders the most out of their factory HD source unit without loss of any factory feature or function control while seamlessly integrating into the stock audio system.



MOTO 600.4



HD POWER



MOTO 600.4

Features-

- Up to 600 Watts of power
- Full Plug and Play Design
- Retains all factory handle bar controls
- Includes 2014+ HD Harness adapter kits
- Installation does not void factory warranty
- Designed for newer HD motorcycles 2014+
- Improves overall volume and frequency response
- Integrates seamlessly to the factory HD audio system
- Moto 600.4 amp kits include upgraded power/ground kits
- Installs within inside the fairing in the stock amp location
- System designed to provide full power on 2 or 4 ohm systems
- Plug based amplifier design improves serviceability and ease of access



2014+ HARNESS ADAPTER



HD HARNESS

2014+ HD Street Glide / 2015+HD Roadglide Compatible MPAK Kits

MPAK KITS	MPAK8*	MPAK10	MPAK11	MPAK12	
KS125.2 BX2 Mini-Moto600.4 Amplifier-	X	-	-	-	 <p>2014+ Street Glide Install</p> <p>* MPAK8 Kit is compatible with the 2015+ HD Roadglide however you will be required to purchase the RG-15 installation kit.</p>
HD PNP wire Kit-	-	X	X	X	
2014 Harness Add-on-	X	X	X	X	
HD Power (Upgrade Kit)	X	X	X	X	
6.5" Adapter Rings-	-	-	-	-	
XDi502 5.25" Coaxial -	-	-	-	-	
XDi5.2 5.25" Comp -	-	-	-	-	
XDi602 6.5" Coaxial -	-	-	-	-	
XDi6.2 6.5" Comp -	-	-	-	-	
Moto602 6.5" Coaxial -	X	-	X	X	
Moto6.2 6.5" Comp -	-	-	-	-	
HD Flat Grills-	-	-	-	-	
RG15 (Road Glide Install Kit)	-	-	-	X	

MOTO 600.4



Pushing the edge of technology with the latest advancements in motorcycle audio, today's HD motorcycles leave consumers and hardcore audio enthusiasts demanding for more power and overall performance.

Designed specifically for the motorcycle environment the Moto 600.4 provides a commanding 600 watts of power in an ultra-compact chassis design that allows you to retain all of your bag space while fitting nicely in your stock HD motorcycle fairing.

Finally a Class D amplifier design done the right way with all the filtering, headroom, features and extra current capacity in place to set the new industry standard for full range Class D amplifiers. Sonically this is one of the finest amplifiers you will ever experience at this price point. Old school "Grunt" but with next century technology and miniaturization, this isn't your everyday Class D amplifier. This is the amp you want.

Features-

- Remote location LED status/diagnostics
- Quick Disconnect speaker terminal plugs
- Audiophile Class D output filter networks
- Detailed micro-processor controlled protection
- Large, High Frequency switching power supplies
- RCA Inputs are compatible with speaker level inputs.
- Fault Codes Storage of the last protection code detected
- Signal to Noise Ratio without compromising power output
- Fully Balanced Input Stage significantly increases flexibility
- Ultra-Low ESR, High capacity power supply storage capacitors
- Coated PCB and electronics for added environmental protection
- Flexible mounting orientation for vertical or horizontal installations
- Single sided amplifier design for easy connection and serviceability
- Next generation high speed Class D technology powering all XDi amplifiers
- Bridged Mode Auto Detect Turn-on works with most chip based OEM Headunits
- Precision filtering isolates the power supply reducing unwanted interference in radio reception



MOTO6004

-other options

KS125.2 MINI

4 Channels @ 4 ohms-	150 Watts	N/A
4 Channels @ 2 ohms-	150 Watts	N/A
2 Channels @ 4 ohms-	300 Watts	70 Watts
1 Channel @ 4 ohms-	N/A	250 Watts
1 Channel @ 2 ohms-	N/A	N/A
1 Channel @ 1 ohms-	N/A	N/A
Frequency Response-	20Hz - 20kHz	20Hz - 20kHz
Bass Boost-	Yes	No (Equipped ith BX2)
Remote Included-	Yes	No
Dimensions-	8.125" (L) 5.0" (W) 1.8" (H)	8.25" (L) 4.8" (W) 1.75" (H)



The ARC Audio "Moto" Series is the optimum balance of acoustical harmony and ultra Hi-Performance all wrapped up in a single design. Designed by ARC Audios acoustical engineering division, Moto Series speakers are designed specifically for the motorcycle environment allowing users a cost friendly solution that will give any enthusiast a unparalleled musical experience on their motorcycle, even at 65+ MPH.

Available Sizes

RAW

Coaxial

2-Way
Comp

3-Way
Comp

OEM
Replacement

6x9"



Features-

- Composite metal film tweeter
- Low Shore poly butyl surround
- Hi performance, Hi output design
- Two way integrated coaxial design
- Weather resistant pole tweeter seal
- Heavy duty cast aluminum basket design
- Hi-Temperature precision wound voice coil
- Treated progressive Nomex spider improves
- Environmental treatments on all components
- Heavy duty treated cast aluminum basket design
- Compatible designs for HD motorcycles 2000-2015



MOTO SERIES SPEAKERS (SOLD IN PAIRS)

	MOTO602	MOTO692	MOTO6.2
Speaker Type-	Coaxial	Coaxial	Component System
MR Size-	6.5"	6" x 9"	6.5"
Mid Max Power-	160 Watts	180 Watts	240 Watts
Mid RMS Power-	80 Watts	80 Watts	80 Watts
Mounting Depth-	2 9/16"	3 1/2"	2 9/16"
Tweeter Size-	28mm	28mm	28mm
Tw Max Power-	100 Watts	100 Watts	100 Watts
Tw Min Power-	50 Watts	50 Watts	50 Watts
Sensitivity-	88dB	87dB	86dB
Crossovers-	N/A	N/A	N/A
Freq Response-	65Hz - 20kHz	50Hz - 20kHz	50Hz - 20 kHz
Impedance-	4 ohms	4 ohms	4 ohms
Includes Grills-	Yes	Yes	Yes

HD HARNESS

- 100% Color coded plug and play design
- Designed by factory trained HD technicians
- Designed to work with most 1999-2015 stereo equipped bagger Harley Davidson Motorcycles
- Designed for use with the KS125.2Bx2 Mini Amplifier
- Kit includes all necessary hardware and materials
- Includes required preloads for all variations of factory
- HD Harness asis is complete for 1999-2013 HD Baggers
- Factory looming and materials used in harness preparation
- 2014+ StreetGlide and 2015+ Roadglide require 2014+ Adapter



HD POWER

- Upgrade amplifier power harness
- Required for installation of the Moto 600.4
- 100% pure oxygen free copper cable
- Supplemental Harness to the HD Harness
- Capable of current draw up to +60A continuous
- Includes molded hi-current fuse holder w/fuse
- Pre-terminated for easy installation
- Pre-loomed in factory OEM style wire loom



2014+ ADAPTER HARNESS

- Designed to interface exclusively with the ARC Audio HD wire harness.
- Allows Plug and Play connection for 2014+ HD models
- Allows for plug and play integration with factory speaker enclosures without having to cut into the enclosure harness
- Includes factory terminal connection lead pigtail for remote turn on without having to tap into the bike's accessory harness



2015 HD Street Glide



6.5" ADAPTER RINGS

- Allows for use of 6.5 inch speakers without modifications or customization
- Made of Hi-Temp reinforced ABS
- Replaces factory speaker spacers on fairing based HD motorcycles.
- Smooth contoured funnel reduction shaping prevents speaker from resting on sharp edges
- Slim profile design allows for most higher performance larger format speaker installations without fitment issues
- Allows for increased midbass response and overall volume
- For use on all 1999-2013 Street Glide and 1999-2014 Road Glide HD Motorcycles



HD FLAT GRILLS

- Replaces factory plastic mesh grills on all 1999-2013 HD Street Glide models
- Open mesh design reduces restriction of sound with improved performance and tonal quality
- Treated metal mesh resistant to the harsh elements
- Not compatible with 2014+ HD models.



RG15

- Designed to interface exclusively for installation of the KS125.2BX2 Mini and MOTO 600.4 amplifiers into any 2015+ HD Roadglide motorcycle.
- Includes all amplifier mounting hardware
- Amplifier mounted in stock amplifier location
- Heavy Duty treated metal plate design protects against the vibrations found in day to day use in HD motorcycles
- No cutting, modifying or removal of any factory structure components required for installation.



2015 HD Road Glide



2015 Roadglide
Inner Fairing



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