

### 4 Channel / 4 Speaker - WITH FADE setup utilizing the Cicada DSP125.4D amplifier with 2 ohm Front and Rear CoAx Horn speakers to get maximum Power Out

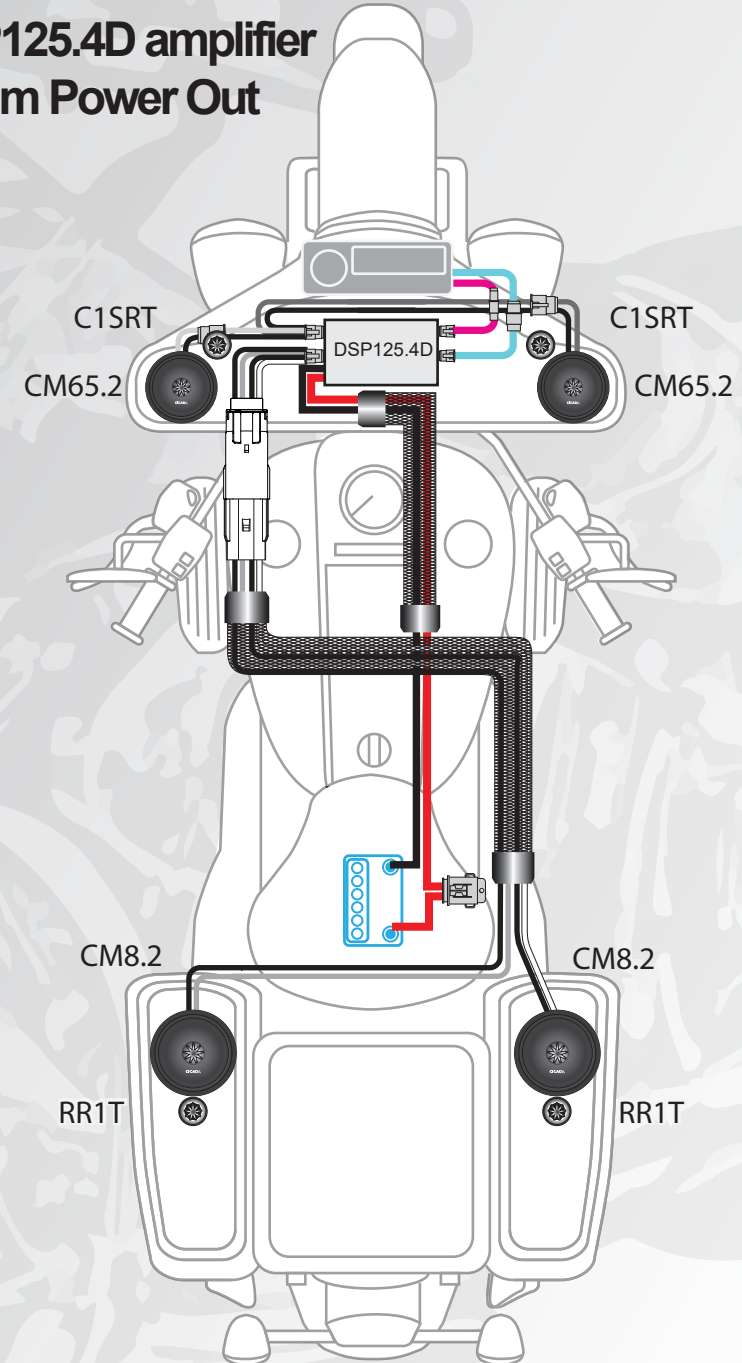
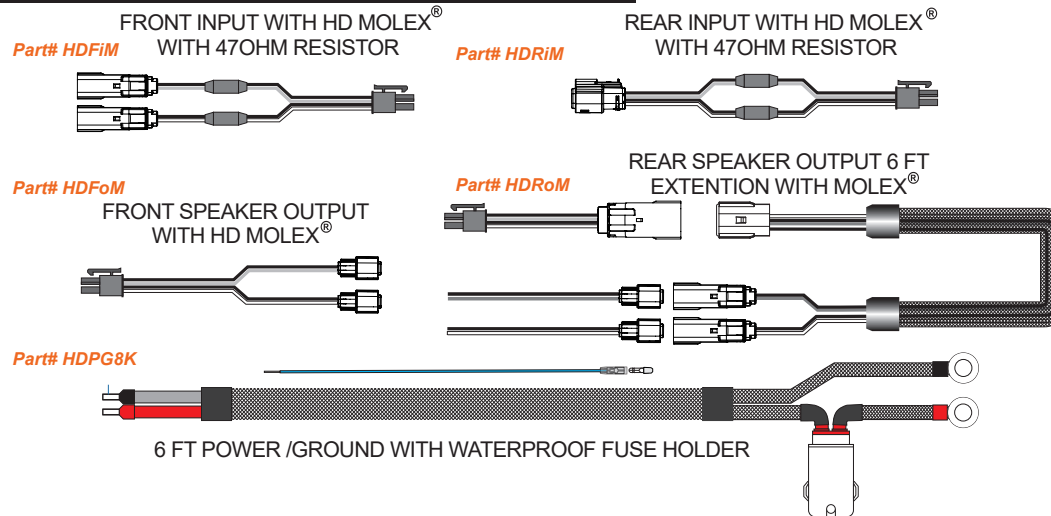
- 6.5" Front Speakers (CM65.2 - Pro MidBass )
- 1" Front Tweeters (RR1RT - Horn Tweeters )
- 8 inch Rear (bag) speakers (CM8.2 - Pro MidBass)
- 1" Front Tweeters (RR1T - Horn Tweeters )

A very typical and simple setup using front and rear speaker channels out of the stock HD radio into the amplifier. THIS MEANS YOUR RADIO IS ALREADY 4 CHANNEL OR YOUR BIKE HAS BEEN "FLASHED" NOTE: On 2017 and up HD's you will need to "load" the HD radios speaker outputs with 47 ohm / 5 watt resistors for it to properly work. The DSP125.4D amplifier comes with Molex<sup>®</sup> RCA input harness and bare wire output (on Molex's<sup>®</sup>) The more ambitious installer or home DIY'er can research, locate and order all the appropriate wiring and connectors.

**OR**

Simply order our OPTIONAL HDPro4K Kit with your DSP125.4D amplifier / processor and be done with it! Your choice. We're EASY!!! Seriously!

#### HDPro4K BAGGER KIT - PARTS



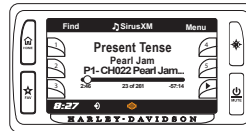
NOTE: OUR 6 X 9" - CM69.2 MIDBASS DRIVER CAN "SUBSTITUTED" INTO THIS SYSTEM



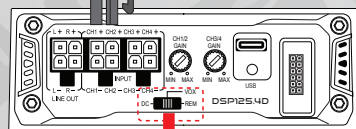
Part# HDFiM OPTIONAL:  
FRONT INPUT WITH HD MOLEX®  
WITH 47 OHM RESISTOR

Stock HD radio and  
wiring used!  
No need to cut anything

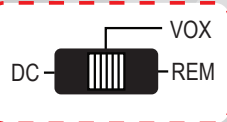
STOCK HD RADIO



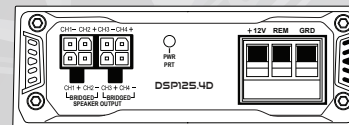
Part# HDRiM OPTIONAL:  
REAR INPUT WITH HD MOLEX®  
WITH 47OHM RESISTOR



INPUT SIDE  
DSP125.4D  
AMPLIFIER



WITH NO SWITCHED 12V REMOTE OUT  
USE "VOX" AS THE TURN ON SELECTION



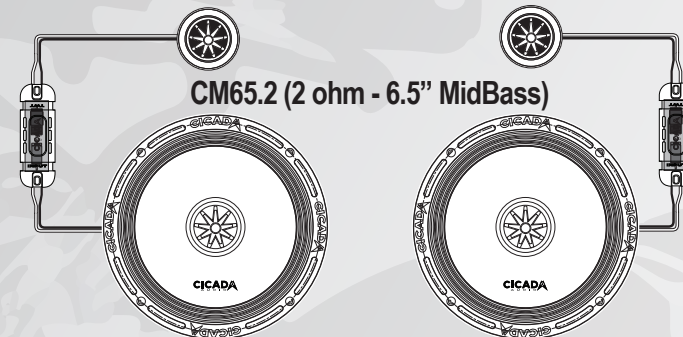
OUTPUT SIDE  
DSP125.4D  
AMPLIFIER

Part# HDFoM OPTIONAL:  
FRONT SPEAKER OUTPUT  
WITH HD MOLEX®

IN FAIRING

RR1T (1" Horn Tweeter)

CM65.2 (2 ohm - 6.5" MidBass)

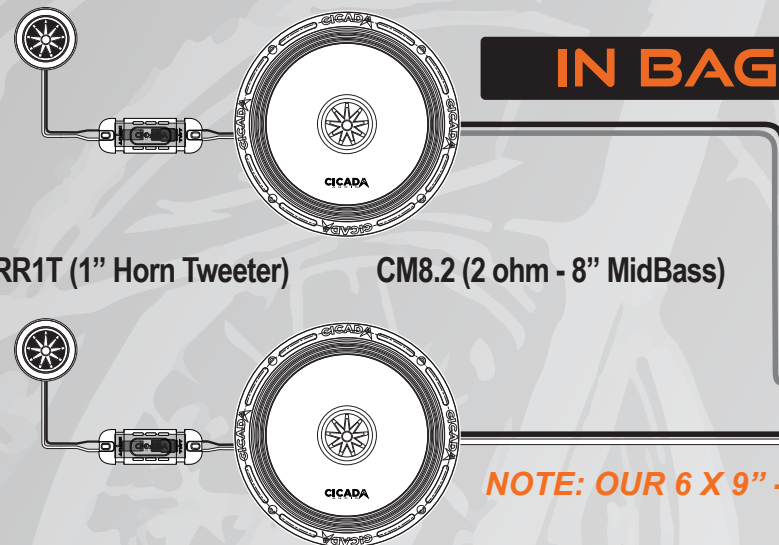


Stock HD speaker wiring  
Just plug in to our harness  
(HDPro4K Harness Kit Optional)

IN BAGS

RR1T (1" Horn Tweeter)

CM8.2 (2 ohm - 8" MidBass)



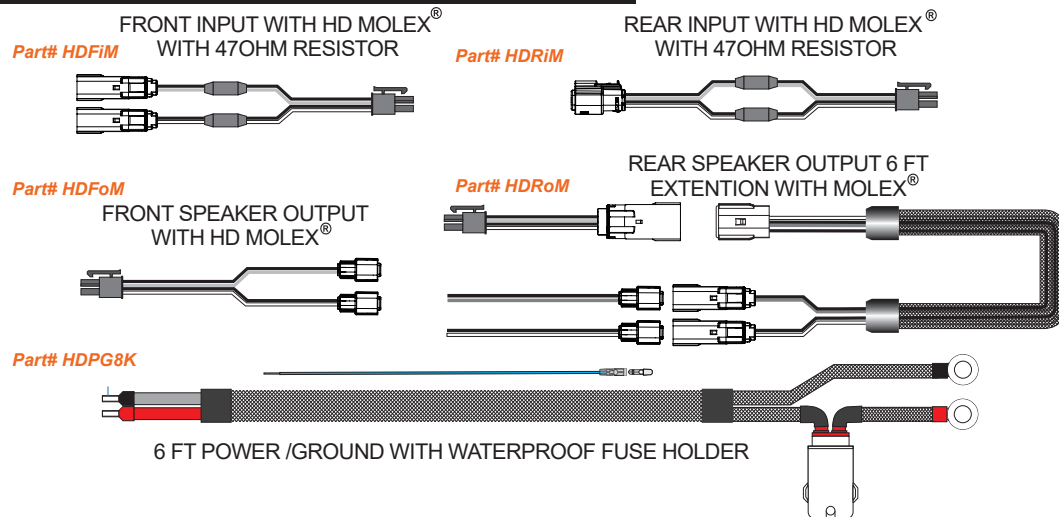
Part# HDRoM OPTIONAL:  
REAR SPEAKER OUTPUT 6 FT  
EXTENSION WITH MOLEX®

NOTE: OUR 6 X 9" - CM69.2 CAN "SUBSTITUTED" INTO THIS SYSTEM

## WHATS IN SYSTEM 2 ? EXACTLY

### WIRING / HARNESS KIT

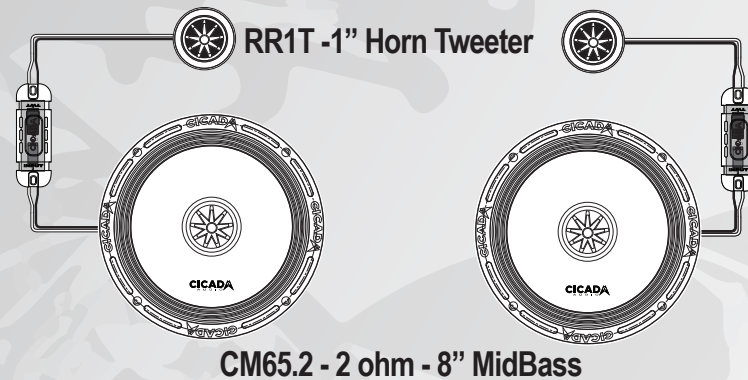
#### HDPPro4K BAGGER KIT - PARTS



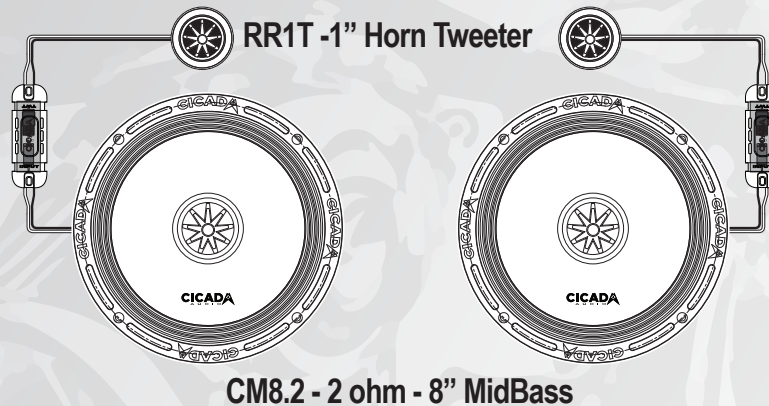
### 600 WRMS SYSTEM PARTS LIST / COST

CICADA <sup>®</sup> AUDIO	RETAIL	QTY	SUB TOTAL
DSP125.4 - 4 Channel Amplifer W/ DSP	\$550	1	\$550
1 PAIR - CM65.2 2 ohm - 6.5" MidBass	\$400	1	\$400
1 PAIR - CM8.2 2 ohm - 8" MidBass	\$420	1	\$420
2 PAIR - RR1T 1" Horn Tweeter	\$200	2	\$400
1 HDPPro4K Bagger 4 CH Harness Kit	\$200	1	\$200
* Labor Not Included			
<b>*TOTAL \$1,970</b>			

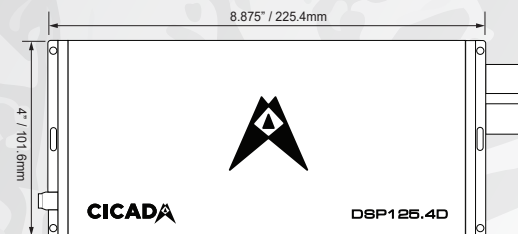
### SPEAKERS IN FAIRING



### SPEAKERS IN BAGS



### AMPLIFIERS IN FAIRING





IT'S ONLY 5 PAGES YOU HAVE TO DEAL WITH!! ...BUT THIS IS WHERE ALL THE MAGIC HAPPENS.  
THIS IS THE MOST IMPORTANT PART OF THIS AMPLIFIER! EVERYTHING HAPPENS HERE

This is the start page and comes up only for a few seconds. The most important thing here is to know which version you have and make sure it is the most current version

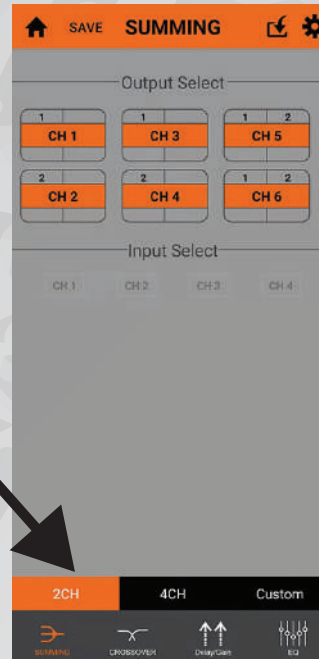
STARTPAGE



First thing to do is select what INPUT you are doing? 2 channel? Or 4 channel?

Select that and move to "Delay/Gain" page

NOTE: Once you select 2 channel (for example)  
NOTICE how all channel "INPUTS" are paralled  
Makes life easy!!



Most important thing to do on this page is to "preset" the gains of each output channel - BEFORE you power up the system!!  
NOTE: ALL channel gains are set at -6dB  
This keeps you from blowing up your speakers!  
**YOU CAN CHANGE LATER!**

**IMPORTANT!**

NOTE: Channels are linked" making it easier to set gains, ALL at one time! Cool,easy feature ..make sure to use it!



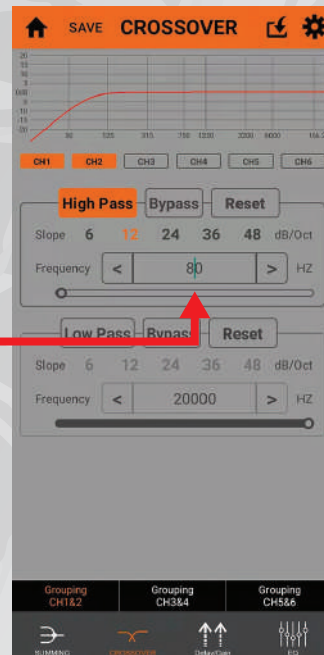
NOTE: MASTER GAIN IS @ -6dB

This is FRONT Speaker CROSSOVER page. Here you MUST high pass all "full range" speakers. Since, in reality, NO 6.5 inch speaker is TRULY "full range". At low levels? Yes(at LOW levels). At the levels YOU want to play at? NO WAY! To the right we are "High Pass"ing the 6.5" speakers.

**Notice the frequency.**

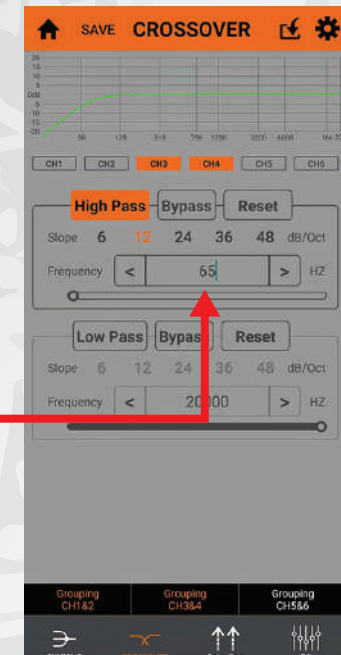
This is as LOW as you want to "High Pass" ANY "Pro Style" 6.5" speaker. No matter what JIVE BS they tell you! REMEMBER...there is Physics at play here..

**No Fairies, Pixie Dust or Unicorns.**



This is the CROSSOVER page. Here you MUST high pass all "full range" speakers. This is the rear "BAG" and a 6" X 9" Pro Style Speaker. Even though it is a 6"X 9" and MORE FULL range than a 6.5". You still will have issues with trying to get REAL low frequencies out of your bike. And at the levels YOU want to play at? NO WAY!!! To the right we are "High Pass"ing The 6"X 9"speakers, Notice the frequency.

This is as LOW as you want to "High Pass" ANY "Pro Style" 6"X 9" speaker. No matter what JIVE BS they tell you! REMEMBER...there is Physics at play here..



This is all about EQ initial setup and using the “PreSets” we’ve designed to solve “Flashing” issues

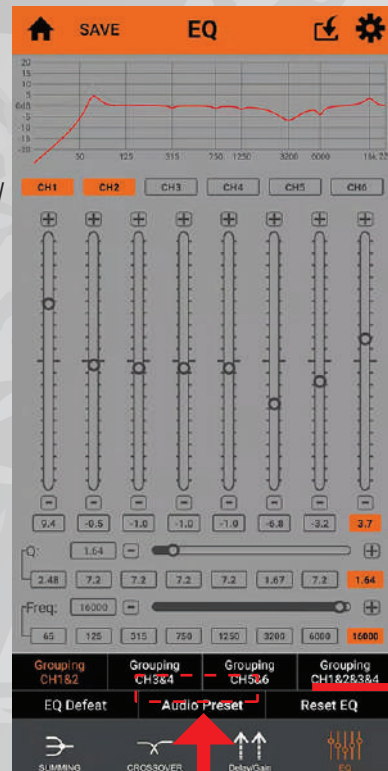
This is EQ (equalizer) page. On this page you can select which channel you are going to EQ. At the bottom of the page there are “Grouping” buttons. You can Group just CH1&2, OR Group CH3&4, OR CH5&6. Or even Group ALL channels CH1/CH2/CH3/CH4/ CH5/CH6. Whatever you need to do to help you speed up setup/tuning. Lets start off with grouping CH1/2 (typically on a HD this is the Front Fairing speakers- usually 6.5 inch speakers) These are “Grouped” for initial the EQ settings (that change as you go on!) There is something important to take into consideration. Is your HD 2014-18 Flashed? Or not “Flashed”! This is a SUPER important piece of information. If you do not know what this means there is a page on our website that goes thru all of this as it is WAY beyond the scope of this System Design Set-Up sheet to go into depth on. For the rest of this setup we are going to ASSUME you understand what “Flashing” is and what it effects. With the DSP125.4D we have built-in “Presets” that overcome the crazy EQ that HD has built into their stock radios. IF you do NOT want to “Flash” your computer on your bike (typically an additional \$100-200!!) you don’t need to! At least...not if you have a DSP125.4D amplifier / Processor.

Select a Preset and go from there.

**NOTE: Remember that these presets are NOT the End All.. Cure All !!**

You’ll still need to EQ the system out. All these presets do is get you closer to flat BEFORE you add your pinch of salt (EQ lingo for your preference!)

**MAKE SURE TO SAVE THESE SETTINGS... BEFORE POWERING UP YOUR SYSTEM**



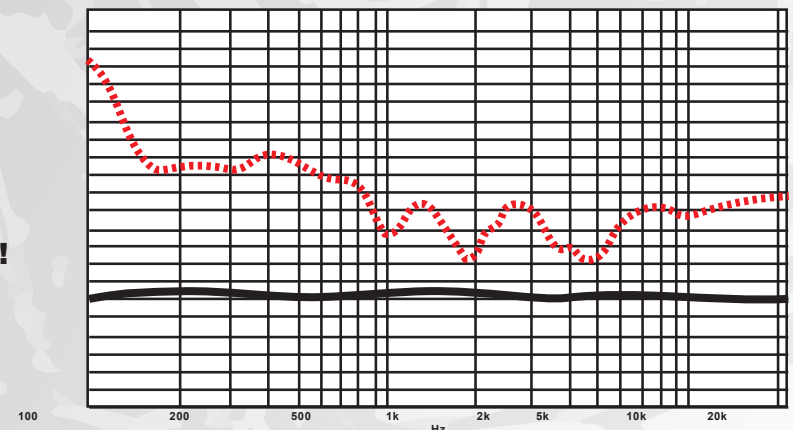
**Audio Preset Select**

This page is where you select what year bike you have and what speaker system. It REALLY makes a difference as we not ONLY flatten the CRAZY HD radio EQ, but we have added a little EQ of our own (since we’ve done this for just a couple days - like...40 yrs!) We’ve picked the most common system (CoAX Horns) and have EQ’d (DE-EQ’d?) the stock HD “Boom” EQ curve OUT and added a little pinch of our own “Special” salt EQ (Himalayan??) ONLY select these Presets if you KNOW that your bike has not been “Flashed” already.

**WARNING!!- NOT HAVING YOUR BIKE “FLASHED” OR USING ONE OF OUR PRESETS CAN RESULT IN YOU BLOWING UP YOUR BRAND NEW SPEAKERS!!!**



## TYPICAL EQ COMING OUT OF STOCK HD RADIOS



**..... Factory Harley-Davidson® Boom!™ EQ Curve**  
**———— Flattened EQ with DSP AMP Software Preset**