

BA *CARTS*

Club Car

®

AUDIO

BA CART'S AUDIO EXPERIENCE

Our experience with audio installation starts way back in 1996 when BA Carts was an audio/video business called Custom Audio Concepts. In 1996, we won the IASCA World Finals with the first perfect score in history with our rebuilt Pontiac LE Mans. The IASCA World Finals is the pinnacle of car audio competition and we still hold the only perfect score in history. We competed for a brief period after 1996 but we changed gears and put all of our efforts into selling and servicing our local community's car, residential and commercial audio/video needs.

We don't reminisce on past successes to pat ourselves on the back. We reminisce to provide you with an assurance that we know what we're doing, and when you ask us to install a sound system in your golf cart, it'll be done correctly.

Today BA Carts and Custom Audio Concepts are sister companies, both operated by the owner Lynn Whitaker and son Sloan.

OUR PHILOSOPHY: OPEN VS ENCLOSED

The biggest issue we have noticed in the golf cart audio world, is seeing speakers installed in an open air environment rather than in an enclosed environment.

The cone in a speaker flexes back and forth, resulting in audio being projected both forwards and backwards. The goal is not to hear the audio being fired backwards; the goal is to only hear the audio being fired forwards. Well in an open air environment, a speaker can fire backwards just as freely as it can forwards, essentially canceling itself out (out of phase).

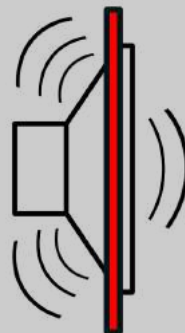
In an enclosed environment, the speaker's cone still fires backwards but rather than sending audio backwards, it builds pressure within the enclosure. This pressure within the enclosure makes the cone snap back and forth faster with more accuracy, demanding the speaker to only fire audio forward, while also providing you with a more precise high range sound and more powerful mid bass.

The picture below to the left is a very popular spot for open air speaker installs. We have actually worked on a few golf carts with speakers there in the body and they sounded exactly like we thought they would, out of phase, and half as powerful as they could be.

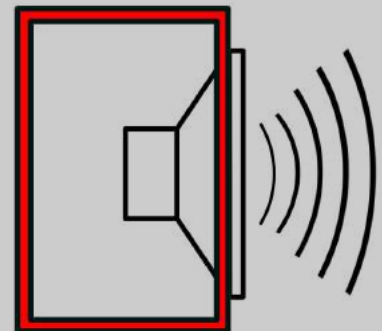
For a more in-depth description on this topic, and to see how we install speakers, check out our video "How To and Not To Install Speakers in a Golf Cart" on YouTube or Facebook



Poor "Open Air" Environment for Speakers



Open Air Environment



Enclosed Environment

THE BA GRADING SCALE

The easiest way to choose your audio package would be to visit our showroom and hear our options in person.

However, many of our customers buy their golf cart without ever walking through our doors. So we took the opportunity to nerd out and create a grading scale to best help you choose your audio system all from the comfort of your couch. The “BA Grading Scale” is a scale from 1 to 10, 1 being our entry level system, 10 being our best system.

VOLUME CAPABILITY

Here we strictly look at volume. Regardless of quality, how loud is this system capable of playing?

HIGH RANGE QUALITY

Think Axl Rose’s voice. Think Thunderstruck by ACDC. Here we rate the system’s ability to emit a high range frequency. In the power sports and/or marine industry, this might be the most important element because high range frequencies are what you hear best over the residual noise coming from your vehicle.

MID BASS PUNCH

Kiss by Prince. Hot for Teacher by Van Halen. Mid bass is the quick, snappy punch you feel in your chest. Here we rate the system’s ability to emit a mid-bass punch.

LOW RANGE POWER

The Ghetto by Too Short. Brass Monkey by Beastie Boys. Strong low range bass will shake the earth like thunder and is clearly noticeable when a system lacks low end bass. Here we rate the system’s ability to produce a thunderous low-end sound.

SURROUND SOUND

How well does the audio system provide sound to all passengers on the golf cart? Can the backseat passengers hear the music as well as the driver can? This variable becomes increasingly important when you are shopping for a six-passenger golf cart considering the backseat passengers are six feet behind the driver.

AUDIO QUALITY VS SPEED

The volume level required to hear your music will sitting in your golf cart at 0 mph isn’t even close to the volume level required to hear your music while driving down the road at 25mph. Why? WIND! You’d be shocked how loud you need your system to play in order to hear it over the wind at 25mph, but loudness isn’t what we rate here. What we rate here is the quality of sound at those peak volume levels. Sure, an audio system might sound good at mid volume levels, but does it sound good turned all the way up? If you want to JAM to some quality audio while driving your cart down the road, this variable is what you want to pay close attention to.

Club Car® AUDIO PACKAGES

When you look at the wide array of amp, speaker, sub-woofer, and head unit brands it's easy to become overwhelmed. We've been installing audio for 30 years and only trust a handful of brands, so our list of options is short. However, even our short list of options can be overwhelming to our customers, so we condensed all of our audio options into six of our bestselling systems to make it easier for you the customer to make a decision.

With that being said, the six audio packages are not the only options we offer. If you would like a sound system that isn't part of our six options, let us know and we will work with you.

BRONZE PACKAGES

Our Bronze packages are made for the Club Car owner that wants an above average sound system, without paying an above average price. It's weak at mid/low range, okay at high range, and sounds good at mid volume levels. Overall, Bronze is a great option for people that aren't picky about sound quality, and just want to hear their music at a respectable level while driving down the road.

SILVER PACKAGES

Our Silver packages are made for the Club Car owner that wants a sound system that can handle above average volumes while retaining a decently clean mid to high range sound. Due to the 200W amp, the system can reach great volumes, but at volume levels that surpass a 6/10 the speakers become distorted. In short, our Silver audio is for the customer that wants to jam to their music at a volume level no higher than 6/10 (10/10 being our Gold 4 Channel System) while retaining a clean and accurate mid to high range sound.

GOLD PACKAGES

Our Gold Packages are made for the Club Car owner that wants to hear the best audio products in the industry every time they sit in their golf cart. The most substantial difference between JL Audio's M line and any other brand of speakers is the "audio quality to speed rating". Most marine grade speakers sound good at half volume while sitting still at 0mph but sound terrible at full volume at 20mph+. What makes JL's M line so special is that at any volume level from 0% to 100%, the system delivers a crisp/clean high range sound with an extremely accurate/punchy mid-bass. Put differently, JL's M line produces such an impressive sound at ultra-high volumes; it is currently unrivaled in the marine grade/power-sports industry.

BRONZE 2 CHANNEL OVERHEAD SYSTEM

ITEMS

- CLUB CAR OVERHEAD CONSOLE ASSEMBLY
- CLUB CAR OEM 50 WATT BLUETOOTH AMP (NO HEADUNIT, ONLY BLUETOOTH CONTROLLED)
- MEMPHIS MXA60 6.5" 50W RMS SPEAKERS (XK GLOW LED CAPABLE)
- TOP SIDE OF SPEAKER PODS LINED IN SOUND DAMPING MATERIAL
- DOME LIGHT

DESCRIPTION

Due to the price tag, our Bronze 50 Watt Overhead system is often compared to a Wetsounds or Bazooka Soundbar. Although the volume capability of our 50 Watt overhead system is comparable to a soundbar, the high and low range capability is not. Our 50 Watt system produces a low range sound that Wetsound's Stealth Soundbars are incapable of producing. Furthermore, our 50 Watt system also produces a high range sound that the Bazooka Soundbar is incapable of producing.



BA GRADE

The below ratings are based on a 1-10 scale. 1 being our Bronze 2 Channel System, and 10 being our Gold 4 Channel System (Including the Center Pod Boom Package)

AUDIO QUALITY VS SPEED

1 / 10

VOLUME CAPABILITY

1 / 10

HIGH RANGE

1 / 10

MID/LOW RANGE

1 / 10

SURROUND SOUND

1 / 10

BRONZE 4 CHANNEL SYSTEM

ITEMS

- CLUB CAR OVERHEAD CONSOLE ASSEMBLY
- CLUB CAR OEM 50 WATT BLUETOOTH AMP (NO HEADUNIT, ONLY BLUETOOTH CONTROLLED)
- MEMPHIS MXA60 6.5" 50W RMS SPEAKERS (XK GLOW LED CAPABLE)
- MEMPHIS MXA60 6.5" 50W RMS SPEAKERS IN WATERPROOF REAR SPEAKER BOX (XK GLOW LED CAPABLE)
- TOP SIDE OF SPEAKER PODS LINED IN SOUND DAMPING MATERIAL
- DOME LIGHT

DESCRIPTION

Retaining the same parts as our Bronze 50W Overhead System plus an additional two speakers, our 50W Four Channel System produces the same quality of sound and same volume level as our 50W Overhead System. However, due to the additional speakers installed in between the front and backseat, this system provides a more even level of volume for all 4/6 passengers rather than just firing audio at the front seat driver/passenger.



BA GRADE

The below ratings are based on a 1-10 scale. 1 being our Bronze 2 Channel System, and 10 being our Gold 4 Channel System (Including the Center Pod Boom Package)

AUDIO QUALITY VS SPEED

1 / 10

VOLUME CAPABILITY

1 / 10

HIGH RANGE

1 / 10

MID/LOW RANGE

2 / 10

SURROUND SOUND

3 / 10

SILVER 2 CHANNEL OVERHEAD SYSTEM

ITEMS

- CLUB CAR OVERHEAD CONSOLE ASSEMBLY WITH SPEAKER PODS FULLY LINED IN SOUND DAMPING MATERIAL
- KENWOOD 400 WATT MARINE AMP
- KENWOOD BLUETOOTH MARINE HEAD UNIT
- CARBON FIBER DASH COVER
- HERTZ MARINE HEX 6.5" M-C SPEAKERS (XK GLOW CAPABLE)
- DOME LIGHT

DESCRIPTION

Considering the Bronze 50-Watt Amp, our Silver packages are a considerable jump in audio quality. Utilizing a 400-Watt Kenwood Amp, our Silver Overhead System projects a sound that is nearly twice to three times as powerful as Bronze. The high range frequencies in this system are a bit cleaner than Bronze, but the main difference is the mid bass. Songs with a strong mid-bass like "Kiss" by Prince sound mediocre on our Bronze system, but here in Silver we start to feel the punch that Prince wanted us to feel.



BA GRADE

The below ratings are based on a 1-10 scale. 1 being our Bronze 2 Channel System, and 10 being our Gold 4 Channel System (Including the Center Pod Boom Package)

AUDIO QUALITY VS SPEED		4 / 10	
VOLUME CAPABILITY	4 / 10	HIGH RANGE	4 / 10
MID/LOW RANGE	4 / 10	SURROUND SOUND	4 / 10

SILVER 4 CHANNEL SYSTEM

ITEMS

- CLUB CAR OVERHEAD CONSOLE ASSEMBLY WITH SPEAKER PODS FULLY LINED IN SOUND DAMPING MATERIAL
- KENWOOD 400 WATT MARINE AMP
- KENWOOD BLUETOOTH MARINE HEAD UNIT
- CARBON FIBER DASH COVER
- HERTZ MARINE HEX 6.5" M-C SPEAKERS (XK GLOW CAPABLE)
- HERTZ MARINE HEX 6.5" M-C SPEAKERS IN REAR WATERPROOF ENCLOSURE (XK GLOW CAPABLE)
- DOME LIGHT

DESCRIPTION

This system is our #1 seller because it produces a powerful/clean sound without breaking the bank. In Bronze, adding an additional set of speakers in the rear does little in terms of quality and volume because the 50W amp is incapable of pushing all four speakers to emit their best overall sound. However, here in Silver, the 400-Watt amp is plenty capable of pushing all four speakers to emit their best overall sound, and the result is a powerful, punchy, clean sound that can easily be heard while driving down the windy road at 25 mph. Furthermore, adding the rear speakers allows the 400W system to produce an even level of volume for all 4/6 passengers. Simply put, if you only have the 400W Overhead Two Channel system, and the backseat passengers are asking you, the driver, to “turn the music up so we can hear it”, you might be uncomfortable with the volume level that they want in the back since the speakers are firing directly at your head and not theirs.



BA GRADE

The below ratings are based on a 1-10 scale. 1 being our Bronze 2 Channel System, and 10 being our Gold 4 Channel System (Including the Center Pod Boom Package)

AUDIO QUALITY VS SPEED

6 / 10

VOLUME CAPABILITY

6 / 10

HIGH RANGE

6 / 10

MID/LOW RANGE

6 / 10

SURROUND SOUND

6 / 10

GOLD 2 CHANNEL OVERHEAD SYSTEM

ITEMS

- CLUB CAR OVERHEAD CONSOLE ASSEMBLY WITH SPEAKER PODS FULLY LINED IN SOUND DAMPING MATERIAL
- JL AUDIO M400/4 MARINE AMP
- JL AUDIO MM50 MARINE HEAD UNIT (BLUETOOTH, USB)
- JL AUDIO M6 6.5" COAXIAL SPEAKERS (XK GLOW CAPABLE)
- DOME LIGHT
- CARBON FIBER DASH COVER

DESCRIPTION

Our Best Two Channel Club Car Audio System!

Just like the jump in audio quality when progressing from Bronze to Silver, our Gold JL Audio Overhead System is twice if not three times as clean and powerful as our Silver system.

Utilizing JL Audio's M400/4 Amp and 6.5" M6 speakers, our Gold Two-Channel system will outperform most 4 channel and even 6 channel sound systems in golf carts today. How? Because JL Audio's 6.5" M6s are arguably the best speakers in the marine industry. They produce the cleanest high range sound and most accurate mid bass punch out of all 6.5" marine speakers. Designed to be heard over the loud noise of a boat on water, JL's M6s are guaranteed to deliver whatever volume level you'd like to hear and produce a ridiculously clean/powerful sound while doing so.



BA GRADE

The below ratings are based on a 1-10 scale. 1 being our Bronze 2 Channel System, and 10 being our Gold 4 Channel System (Including the Center Pod Boom Package)

AUDIO QUALITY VS SPEED		9 / 10	
VOLUME CAPABILITY	9 / 10	HIGH RANGE	9 / 10
MID/LOW RANGE	7 / 10	SURROUND SOUND	6 / 10

GOLD 4 CHANNEL SYSTEM

ITEMS

- CLUB CAR OVERHEAD CONSOLE ASSEMBLY WITH SPEAKER PODS FULLY LINED IN SOUND DAMPING MATERIAL
- JL AUDIO M400/4 MARINE AMP
- JL AUDIO MM50 MARINE HEAD UNIT (BLUETOOTH, USB)
- JL AUDIO M6 6.5" COAXIAL MARINE SPEAKERS (XK GLOW CAPABLE)
- JL AUDIO M6 7.7" COAXIAL MARINE SPEAKERS IN REAR WATERPROOF ENCLOSURE (XK GLOW CAPABLE)
- DOME LIGHT
- CARBON FIBER DASH COVER

DESCRIPTION

Our Best Audio System for Four Passenger Club Cars!

This system is for those that understand the difference between good and great audio. With a volume capability that can be heard from hundreds of feet away, with a high range sound that will pierce your ears, and with a mid-bass punch that you feel deep in your chest, our Gold JL Audio 4-Channel System will exceed every expectation you ever had for golf cart audio.

The most noticeable improvement here in the Gold 4 Channel system is the mid-bass due to the JL 7.7" M6s. With our custom built waterproof speaker enclosure, JL's 7.7" M6s produce a meaty/accurate mid-bass that is essential if you want a system that kicks you in the chest every time you turn the volume up.

To gain an idea of how loud yet clear our Gold 4 Channel System can play, watch the end of our video on Facebook or Youtube "The Baddest Special Edition Club Car Onward on the Road"



BA GRADE

The below ratings are based on a 1-10 scale. 1 being our Bronze 2 Channel System, and 10 being our Gold 4 Channel System (Including the Center Pod Boom Package)

AUDIO QUALITY VS SPEED 10 / 10

VOLUME CAPABILITY 10 / 10

HIGH RANGE 10 / 10

MID/LOW RANGE 8 / 10

SURROUND SOUND 10 / 10

ADDITIONAL OPTIONS CENTER POD BOOM

* Our Center Pod Boom package can only be installed in six passenger Club Car Onwards and can only be added to our Gold packages.

ITEMS

- (2) JL Audio 8w3 Subwoofers installed in Custom Built 1" Waterproof Sub Enclosure Painted with Acrytech Paint
- 2.5" X 15" External Port
- JL Audio M700/5 Amplifier with Remote Bass Gain Knob and Stinger Directional 6-Channel RCAs
- Stinger sound damping material fully lining the aluminum flooring and center pod
- Vent cut into center pod body panel to allow the subs to properly breath
- Stinger 2600 AMP 12V DRY CELL VALVE REGULATED STARTING OR SECONDARY BATTERY

DESCRIPTION

The only solution to low end bass = Subwoofers.

If you want the best golf cart sound system in your campground, neighborhood or state, this package is for you.

Chances are you have had subs in your car or have heard subs in your friend's car, and by doing so you know that they take any sound system to the next level. Furthermore, if you know anything about audio, you know that installation is just as important as the product, which is where our 30-year-old car audio business comes into play. In short, we are not golf cart builders tinkering with audio. We are internationally successful audio installers that are now obsessed with golf carts.

Considering the lack of cubic space inside the center pod on an Onward, we can only install two eight-inch subs. However, due to our box design, the two JL 8w3s produce such a powerful low range sound that most listeners within ear shot often guess that there is a 10" or 12" sub somewhere on the golf cart.

Below are a few reasons why our Center Pod Boom Package is the best solution for bass in a Six Passenger Club Car Onward.

WEATHER: The subs, box and wiring are protected from the elements by being contained inside the center pod, under the seat, and covered by the OEM storage insert.

PUNCTURE: Rather than the subwoofers sitting in a location that put them at risk of a puncture. The subs are firing down at the thick aluminum under the center pod which essentially puts them at zero risk from a puncture wound.

STORAGE: The most popular(easiest) subwoofer installation on a golf cart is under the backseat in the bagwell. Installing a bagwell sub requires you to remove your backseat's storage cooler as well as lose all bagwell storage. Our solution removes only one out of the three storage spots within the center pod while leaving the backseat storage unaffected.

To earn a 10/10 on every variable in our BA Rating Scale you must combine our Center Pod Boom Package with our Gold 4 Channel system.



ADDITIONAL OPTIONS STINGER INFOTAINMENT SCREEN

ITEMS

- Overhead Console Assembly Required
- Carbon Fiber Dash Cover Required

DESCRIPTION

Adding an Elev8 or Heigh10 Head Unit to your system doesn't just give your Club Car a WOW factor, it's also practical. With a head unit installed in the dash, you must bend over to reach the buttons. However, with a Stinger screen in your overhead console, you can reach just above your head to reach the buttons (much easier).

Stinger's infotainment head units provide a long list of features that can all be customized and tailored to fit you the driver. Whether you don't trust your rear view mirrors and you want use the back-up camera feature, or you want to play music from your phone with Bluetooth, Android Auto or Apple Car Play, Stinger has a solution for you.

The Elev8 and Heigh10 are both pricey options, which is why some customers ditch the JL Audio amp and speakers and take advantage of the head unit's built in amplifier. At 50 Watts per channel and with a plethora of audio settings, Stinger's built in amp produces a sound that we would rate just above our Silver System (45 Watts per channel with no audio settings).

If your goal is to have the coolest yet best golf cart sound system in your neighborhood than you need our **Gold 4 Channel System** with an Elev8 or Heigh10 as your head unit (plus our Center Pod Boom Package if you want a six passenger Onward). With a 15 Band Adjustable EQ, Adjustable Hi-Pass Front/Rear, and Lo-Pass Sub-woofer Crossover, the Elev8/Heigh10 doesn't just provide a WOW factor but it allows us to perfectly tune your system and let the JL Audio products emit the industry leading sound that they're truly capable of producing.

ELEV8



HEIGH10

