Thank you for purchasing this

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VX502 Bluetooth Amplifier

Please read through these instructions carefully so you will know how to operate your model properly.

After you have finished reading the instructions, keep this document in a safe place for future reference.

THIS PACKAGE CONTAINS
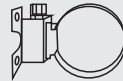
1-VX502 Bluetooth 4-CH Amplifier

1-Multi-Function Controller

1-Flush Mount Bezel (preinstalled on the remote)

1-Handleber Mounting Bracket & Hardware Kit

1-Power Harness

1-User Manual

USER MANUAL

QUICK START GUIDE

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BEFORE YOU START

IMPORTANT SAFETY PRECAUTIONS

- BE SURE TO OBSERVE THE FOLLOWING GUIDELINES:
  - Do not turn up the volume so high that you can't hear what's around you.
  - Use caution or temporarily discontinue use in potentially hazardous situations.
- Do not operate mobile video equipment while driving a motorized vehicle - safe driving and safety consideration of others should always be your highest priority.
- Set your volume control at a low setting, then slowly increase the sound until you can hear it comfortably without distortion, or ear discomfort.
- In the event you should notice smoke, strange noises or odor from this product, or any other abnormal signs, immediately turn off the power and consult technician. Using this product in this condition may result in permanent damage to the system.
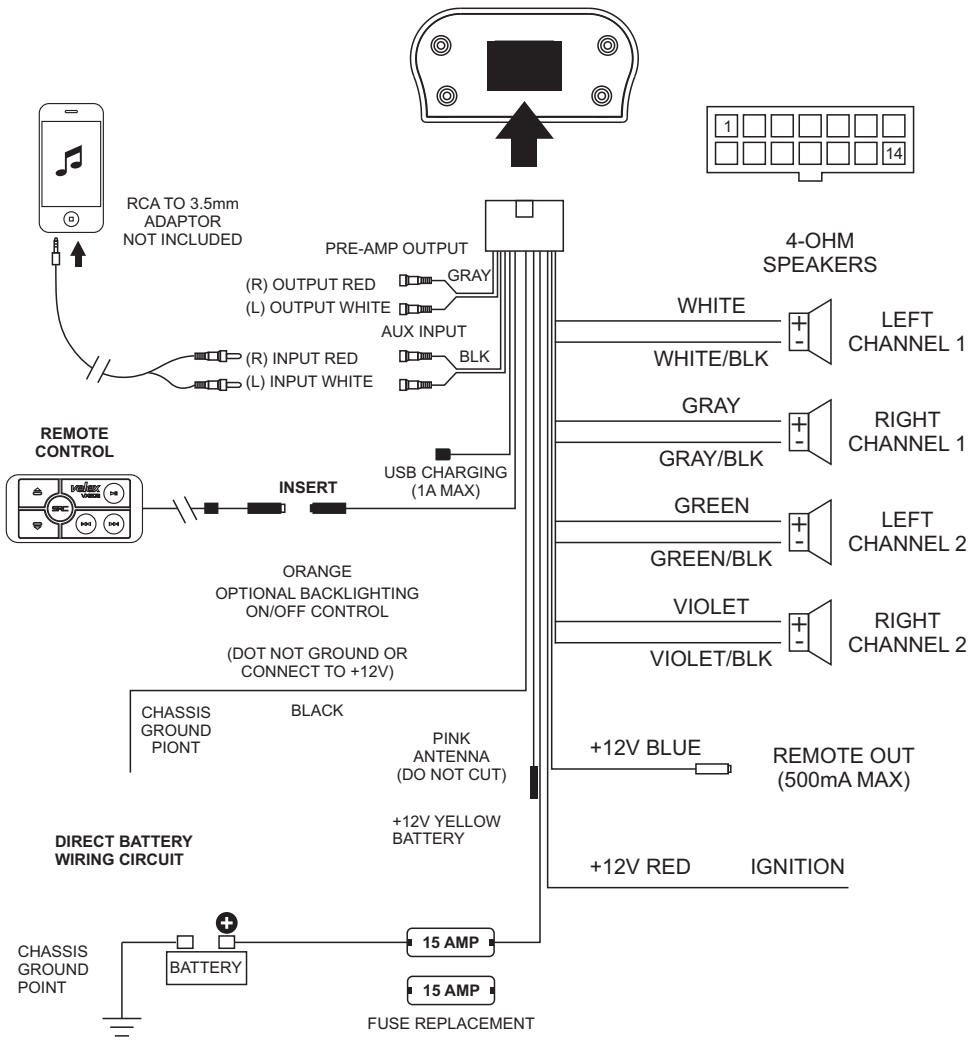
INSTALLATION PRECAUTIONS

WARNING Always consult with a professional installer

- Do not attempt to install or service this product by yourself. Installation or servicing of this product by persons without professional training and experience in electronic equipment and motorized vehicle accessories may be dangerous and could expose you to the risk of electric shock, injury or other hazards.
- *VX502* should be powered directly to a vehicle battery
- When wiring directly to vehicle battery, be sure to disconnect the batteries negative terminal wire before starting any wiring procedures, if extending the main power wire, it is suggested that an optional fuse and fuse holder (not included) with minimum rating of *15 Amperes* be in-line with the positive battery terminal.
- The ground cable length should not exceed 18-inches (See wiring diagram PG 4)
- The *VX502* has a weather resistant design, it should not be submerged in or under water under any circumstances
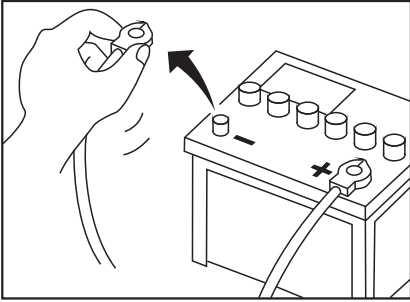- Use only the installation parts provided with the *VX502*

⚠ *CAUTIONS!! Using other mounting methods may void this warranty*

② ———— *velex* ————

WIRE DIAGRAM

RCA TO 3.5mm
ADAPTOR
NOT INCLUDED

PRE-AMP OUTPUT

(R) OUTPUT RED — GRAY
(L) OUTPUT WHITE

AUX INPUT

(R) INPUT RED — BLK
(L) INPUT WHITE

4-OHM
SPEAKERS

WHITE

LEFT
CHANNEL 1

WHITE/BLK

GRAY

RIGHT
CHANNEL 1

GRAY/BLK

**REMOTE
CONTROL**

USB CHARGING
(1A MAX)

INSERT

GREEN

LEFT
CHANNEL 2

GREEN/BLK

VIOLET

RIGHT
CHANNEL 2

VIOLET/BLK

ORANGE
OPTIONAL BACKLIGHTING
ON/OFF CONTROL

(DOT NOT GROUND OR
CONNECT TO +12V)

CHASSIS
GROUND
PIONT

BLACK

PINK
ANTENNA
(DO NOT CUT)

+12V BLUE

REMOTE OUT
(500mA MAX)

+12V YELLOW
BATTERY

**DIRECT BATTERY
WIRING CIRCUIT**

+12V RED   IGNITION

CHASSIS
GROUND
POINT

BATTERY

15 AMP

15 AMP

FUSE REPLACEMENT

⚠ *CAUTION!! Do not ground or short the PINK antenna wire*

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③

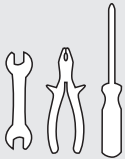## BEFORE INSTALLING THIS PRODUCT

To avoid potential shorts in the electrical system, be sure to disconnect the (-) battery cable before installation. Use this unit with a 12-volt battery and negative grounding only. Failure to do so may result in a fire or malfunction.

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

When replacing the fuse, be sure to only use a fuse of the rating specified on this product.

To avoid short-circuiting, cover any disconnected lead with insulating tape. It is especially important to insulate any unused wires, which if left uncovered may cause a short circuit. When connecting other devices to this product, refer to the manual for the product to be connected. The black cable is ground, make sure to connect the ground wire first.

Ensure that the ground cable is properly connected to metal parts of the vehicles body frame or direct to the battery if your vehicle does not have a grounded chassis frame. The ground cable of this units power amp and a second powered system must be connected to the frame separately with different screws. If the screw for the ground wire loosens or falls out, it could result in fire or malfunction.
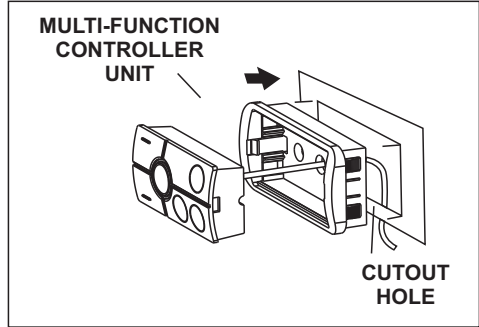
TOOLS NEEDED:
-Wrench and/or Pliers
-#2 Philips screwdriver
-Crimp tool
-Electrical tape

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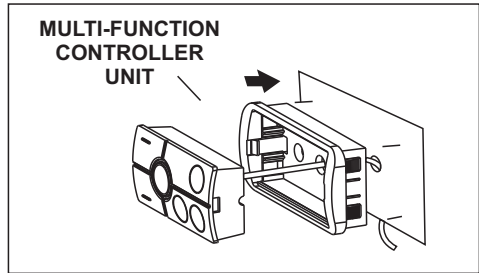
The *VX502* can mounted in three different configurations:

1 **Flush Mount**

The flush mount quick mount bezel requires no screws
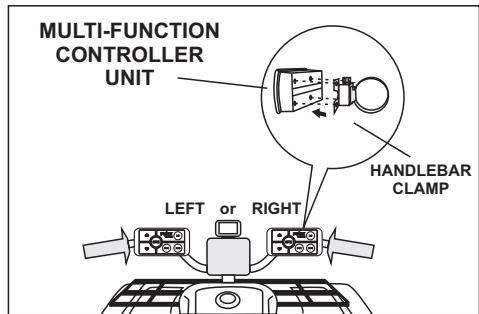Use cutout dimensions:
3-3/16" W x 1-11/16" H
(82mm x 43mm)

MULTI-FUNCTION CONTROLLER UNIT

CUTOUT HOLE

2 **Surface Mount**

The flush mount bezel has two recessed screw holes to facilitate the included two oval-head screws.

MULTI-FUNCTION CONTROLLER UNIT

3 **HANDLEBAR MOUNT**

Use provided pan-head screws and stainless steel clamp, there are three mounting variations to secure the stainless steel clamp, try the best one for your application, securely tighten the stainless clamp to fit your application.
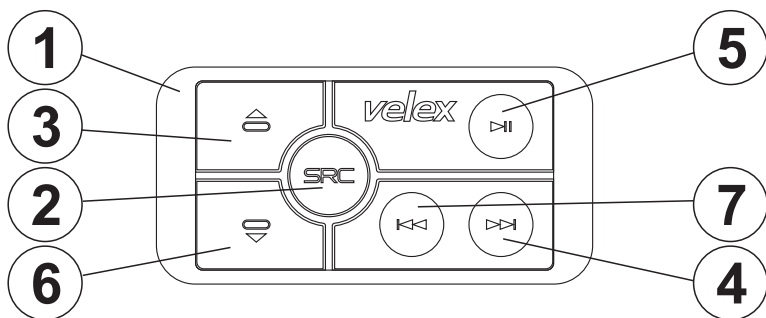

MULTI-FUNCTION CONTROLLER UNIT

HANDLEBAR CLAMP

LEFT or **RIGHT**

💡 **Tips:** To release the *VX502* controller from the mounting bezel, insert a small jewelers screwdriver into the left/right slots of the bezel.

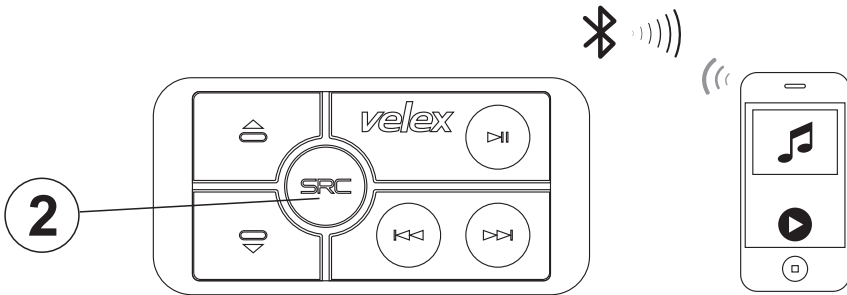## GETTING TO KNOW YOUR
VX502 MULTIFUNCTION CONTROLLER (MFC)

1	MFC-MULTIFUNCTIONAL CONTORLLER
2	SRC PURPLE = AUX IN / RED = USB MODE = BLUETOOTH
3	VOLUME UP
4	NEXT TRACK / FAST FORWARD
5	PLAY / PAUSE
6	VOLUME DOWN
7	PREVIOUS TRACK / FAST REWIND

2

PAIRING & DISCOVERING A NEW BLUETOOTH CONNECTION

1. Power on the VX502 by short press the SRC (**2**)   button, the Bluetooth blue LED will be switched on, a confirmation tone will be heard, signaling that VX502 is now ready for Bluetooth pairing.

2. Now that the VX502 (VELEX) is in pairing mode:
Android users:
      a. Go into the Setting Menu of your device.
      b. Enter the Bluetooth Menu and press SCAN.
      c. VX502 (VELEX) will now be display under AVAILABLE DEVICES.
      d. If prompted, enter passcode: "0000".

IOS users:
      a. Go into the Setting Menu of your device.
      b. Enter the Bluetooth Menu.
      c. VX502 (VELEX) will now be display.
      d. If prompted, enter passcode: "0000".

3. If the VX502 is not seen, repeat the above steps to refresh the "Device List".

4. When the connection is successful, you are now ready to steam music from your devices favorite media player to the VX502.

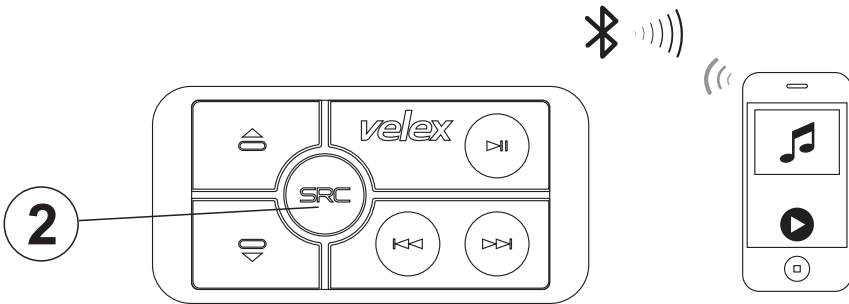5. Press and hold SRC button to power off VX502.

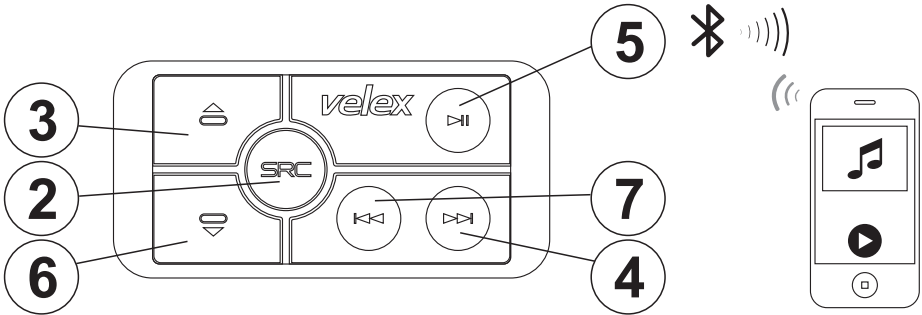|	**Tips:**	To avoid battery exhaustion be sure to run the vehicles engine while using this product. Using this product without running the engine can drain the battery.

RECONNECTION

1. Power on the *VX502* and your last paired Bluetooth Device;

2. The unit will now automatically reconnect;

3. If your device was previous paired with *VX502*, but it wasn't the last paired device:
      a. Ensure no other devices are currently paired
      b. Enter the *Bluetooth Menu* on your device being paired
      c. *VX502* will display under *AVAILABLE DEVICES*
      d. Choose the *VX502* to reconnect

4. If the device is out of range from *VX502*, it will disconnect automatically:

      a. To reconnect once device is back in range, press the *Power* ②
      button once
      b. The *VX502* will now reconnect to the device, a confirmation tone will
      be heard from the speakers.

MULTIFUNCTIONAL CONTROLLER BLUETOOTH OPERATION

1. Press the ⑤ *PLAY/PAUSE*, once to start playing music or press the *PLAY* button from your device touch screen, pressing again to *PAUSE*

2. To skip songs or advance, press the *NEXT TRACK* ④ button, press and hold to *FAST FORWARD*

3. To select the previous song, press the *PREVIOUS TRACK* ⑦ button, press and hold to *FAST REWIND*

VOLUME CONTROL

1. To raise the *VOLUME* press *UP* ③ button
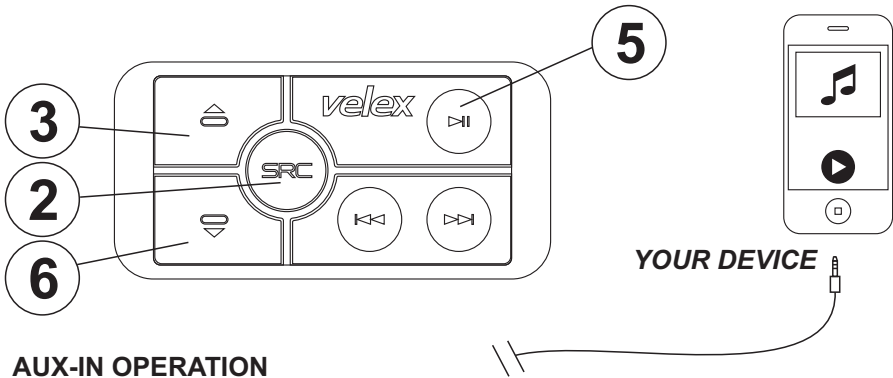
2. To lower the *VOLUME* press *DOWN* ⑥ button

🔆 **Tips:** Turn the *BLUETOOTH* volume level on your device to its 100% level

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AUX-INPUT

5

3

2

6

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YOUR DEVICE

AUX-IN OPERATION

VX502 can play audio from any device that has a pair of RCA output

1. Power on the *VX502* by short press *SRC* (2) button

2. Short press the *SRC* (2) button again once, the controller LED lighting will change to *RED*, indicating the system is in *AUX-IN* mode.

3. *Bluetooth* devices will remain paired even in *AUX-IN MODE*

4. Connect the integrated *RCA AUX-IN* cable on the amplifier (if you have a 3.5mm jack device, please use the 3.5mm to RCA adaptor, 3.5mm to RCA adaptor is not included)

5. Route the audio wires back to a convenient storage place, secure your device.

VOLUME CONTROL

1. To raise the *VOLUME* press *UP* (3) button

2. To lower the *VOLUME* press *DOWN* (6) button

3. To *MUTE / UN-MUTE* the *VOLUME* press *PLAY / PAUSE* (5) button

Tips: Turn the *HEADPHONE* volume level on your device to its 100% level

(10) *velex*

TROUBLE SHOOTING GUIDE

TROUBLE	CAUSE	SOLUTION
Unit will not turn on	The fuse is blown	Check / replace the fuse
	Ignition not engaged	Turn ignition to on position
No sound is heard	Blown speaker	Replace faulty speaker
	Volume is low / muted	Press the volume level up
	Device is paused or muted	Check your devices playing / volume status
Can not pair Bluetooth	The Bluetooth function of the device is not enabled	Refer to the user manual of the device for how to enable the Bluetooth function
The audio quality is poor after connection with a Bluetooth enabled device	The Bluetooth reception is poor	Move the device closer to the audio system or remove any obstacle between the device and the systems antenna
Unit has become unresponsive	Power glitch or interference	Disconnect power for 10 seconds to reset

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BLUETOOTH
- BT: 3.0
- BT Range: 33FT / 10 M (CLASS 2)
- BT Profiles: A2DP

AMPLIFIER
- Channels: 4
- *MAX* Continuous Output: 180W (All channel driven)
- *PEAK* Power Rating
- *RMS* Total Power Output: 45W
- Class AB
- Frequency response: 20-25KHz
- 4 Ohm stable
- Input impedance: 22K Ohm

CHASSIS
- Dimension: W x L x H
  99 x 203 x 50 mm
- Controller Dimensions W x L x H
  47 x 95 x 22 mm
- Controller cable length: 3m
- Quick connect Molex power harness

GENERNAL
- Power source: 14.4VDC (10.8 16V Allowable)
- Grounding System: Negative type
- Maximum Current Consumption: 15A
- 3-way protection circuitry (thermal, overload, and speaker short protection)
- USB output voltage: 5VDC @1A
- Unit weight: 2.08lbs / 0.94kgs
- Storage Temperature: 5 F to 113 F / - 15 to 45 degree
- Replacement Fuse: 15A

(Replace with ATO Fuse Type Only).

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