FCC ID: 2AK5Y-DCBS

GM DCBS EL-52800

User Manual

Measurement Global Solutions

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Due to software updates, your experience of the software interface (including but not limited to software features, user interfaces, and interaction experiences) may differ from the interface presented in this manual. The software interface is subject to change.

Introduction

E-XTEQ is a battery diagnostic tool and equipment manufacturer with a broad spectrum of knowledge and understanding of battery technology for Industrial, OE and Aftermarket Maintenance including EV/HEV applications.

Our mission is to be a passionate global leader of innovative measurement solutions by providing premium testing equipment and unsurpassed services to our valued customers and partners.

GM DCBS supports battery diagnostic test including functional true ½ CCA load test and provide a true reserve capacity test. DCBS has built-in 12V/80-100A battery charger/maintainer that provides in-depth features and functions to stabilize battery voltage during ECU reflashing and is capable of charging different chemistry batteries. The remote is a comprehensive battery analyzer with intuitive features and functions that promotes user friendliness, speed, accuracy and intelligence, enabling technicians to manage diagnostics through every step of the process from start to finish and can be used simultaneously.

SECTION 1 – Safety Guidelines

Please read the safety guidelines carefully.

This section indicates the areas that need to be protected in order to prevent harm to people who use this equipment, damage to property and to enable proper use of this product.

1.1 Maintenance and Storage

Keep this product dry. Do not expose the DCBS to rain or snow.

Discontinue use and contact technical support if an overheat event has occurred, or if rust or deterioration has been identified in the cables or other parts of the product.

1.2 Before Use

Keep the exterior clean and free of dust

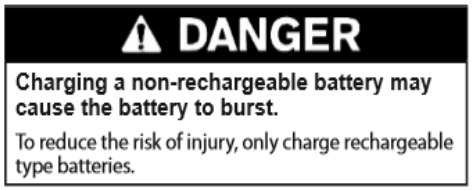
Do not disassemble or modify the main unit as it may cause an electrical shortage or fire.

To reduce the risk of electrical shortage, unplug the AC power plug before cleaning and maintenance.

Extreme caution: Keep liquids and metallic tools away from the DCBS while operating

DCBS must be used in a well-ventilated area.

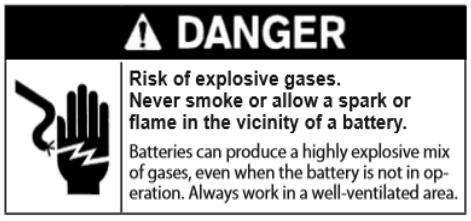
When operating the equipment make sure the surface is dry and clean to minimize any risks.



The battery contains chemicals that may generate explosive gases. Before handling the battery, remove all metal accessories such as rings, bracelets and necklaces.

Short circuit at battery terminals may cause burns.

Do not place batteries near flames or other heat sources.



The battery fluid is highly corrosive. If the battery fluid gets on your skin or clothes, immediately wash it with soap and water. If electrolyte gets in your eyes, immediately flush with cold water for at least 10 minutes and seek medical attention.

1.3 Usage Precautions

Do not use extension cords as there is a risk of fire and electrical shortage.

If use is necessary, check that the extension cord has the following:

1. Identical plug, cable size and the same electrical wiring as the DCBS.
2. Make sure the equipment is securely connected before use.

When unplugging the cord from the outlet, hold the frame of the plug to avoid damaging the plug or power cord. Pulling the cord may cause the cable plug to break. Replace power cord immediately if damaged.

If the outlet shape does not fit the plug, please contact the E-XTEQ service department.
Phone: 1.877.453.3265
E-mail: serviceusa@e-xteq.com

Do not touch the power connector during use

Keep away and Do Not Touch restricted areas of this Equipment

1.4 Disassembly/Damage/Removal

Do not disassemble the product or damage or remove the stickers or labels on the product. If the product's case has been disassembled or damaged by the user, all warranties will be void. Always contact a designated E-XTEQ Service Center for repairs.

Do not insert metallic objects into the unit to prevent electric shock, fire, short circuit, possible leaking of harmful substances and personal injuries. Do not store the product in a wet or humid place. Always store the product in a dry place.

1.5 Cleaning the Product

It is recommended that you clean the product by wiping it gently using a soft cloth. Do not use water, chemical substances or detergents. They may cause discoloration or corrosion to the product's exterior and may cause a fire or electric shock.

SECTION 2 – Getting Started

2.1 Safety Reminders

Please review the safety guidelines in this manual before using the DCBS for safety operations

When unplugging the DCBS, pull on the plug frame rather than the cord to reduce the risk of damaging the power plug or cord.

The DCBS is designed for indoor use. Use outside in dry weather only.

The GM DCBS enables a wide range diagnostic procedures with 0-15V/0-80A (100A Optional) charge capability.

2.2 Appearance and Dimensions

Dimension Details:
Metrics: 1300 x 580 x 690 (mm)
Imperial: 51.18 x 22.83 x 27.16 (inch)

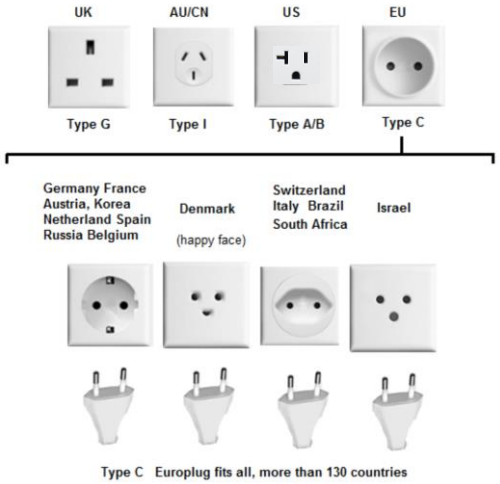
Weight:
Kilogram: 67 (kg)
Pounds: 148 (lbs.)

2.3 Accessories

Power Cord

16.4 ft/5m power cord is supplied with the GM DCBS.

The cord will be suitable based on the country standards



Charge Cable with Clamp

The cable will be used for trolley diagnostic and charging.

Accessories Box

1. 8 Short Screws
2. 2 Long Screws
3. Printer Paper Roll
4. 1.5mm Specific Remote Clamps
5. 2 Hooks (For Rear Part of the Trolley)
6. 1 Hook (Docking Station)

SECTION 3 – Initial Setup

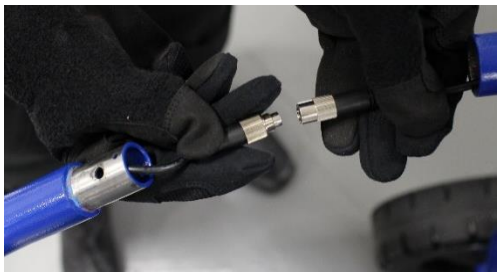
3.1 Installation

The unit needs to be placed in a clean, dry and ventilated area.

Tools necessary to assemble trolley:
4mm Allen Wrench, 10mm Socket/Wrench. (Step 1, 2 and 3)
3mm Allen Wrench. (Step 4)

Once the unit is out of the box, the next step is to connect the docking station to the trolley.

1



2

3

4

3.2 Battery Cable Clamps Connection

Remove the battery cable clamps from the box to connect them through the connector in the rear of the DCBS Trolley.

3.3 Power Cable Connection and Power On

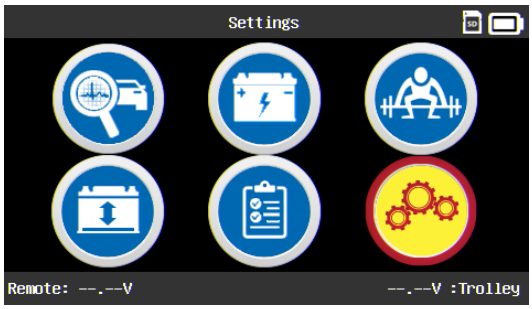
Input power information

Voltage:	100 – 240 V
Frequency:	50/60 Hz
Consumption:	2 kW (Maximum)

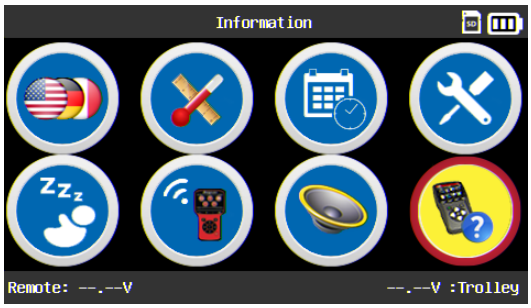
Connect the power cord to the connector located on the back of the DCBS, then connect the opposite plug to a standard electrical socket. Switch on the device by setting the switch to the "I" position.

3.4 BAC Input

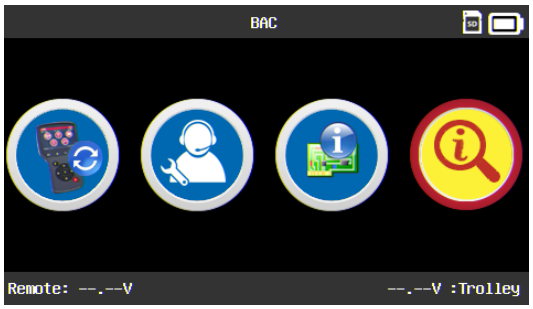
After trolley has been setup, turn on the remote and follow the steps below to input the BAC Code into the tool. (BAC code is required to generate warranty code)



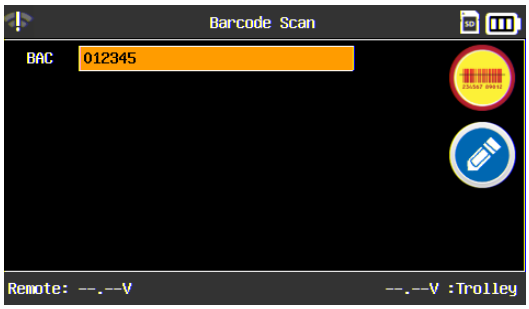
1. Go to the Settings Menu.



2. Go to the Information Icon

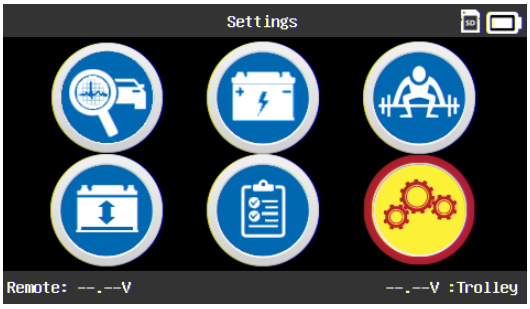


3. Go to the BAC Icon



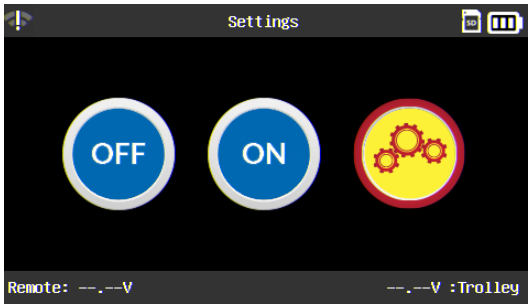
4. Input BAC Code and Press Enter, then Back to Save.

3.5 Wi-Fi Connection

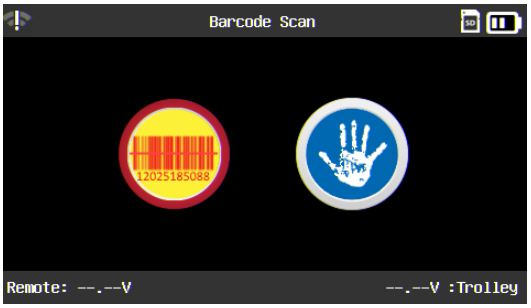


1. Turn on the tool and go to the "Settings" icon.

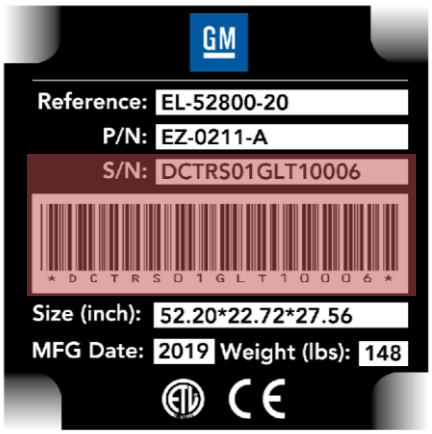
2. Go to the "Wireless" icon.



3. Select "Settings" once in "Wireless" menu.



4. Select "Barcode Scan" for the tool to scan the trolley serial number or "Manual" to manually input the trolley serial number.

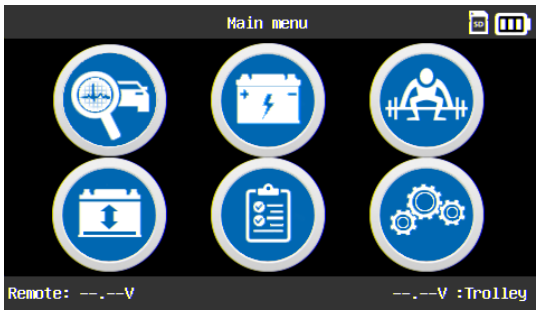


5. The Serial Number can be found on the back of the trolley. Refer to picture for visual confirmation.

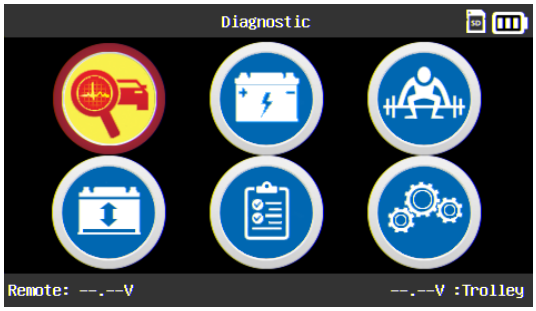
Bluetooth Connection

Go to Settings > Connected devices> Pair new device

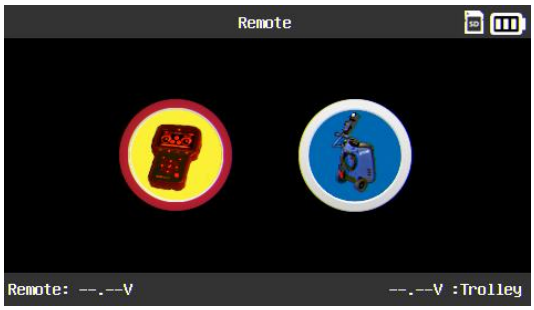
SECTION 4 – Workflow



- Remote Diagnostic Workflow



- Press any key to highlight the "Diagnostic" icon.
- Press the ✓ button on the keypad to go to the next screen.

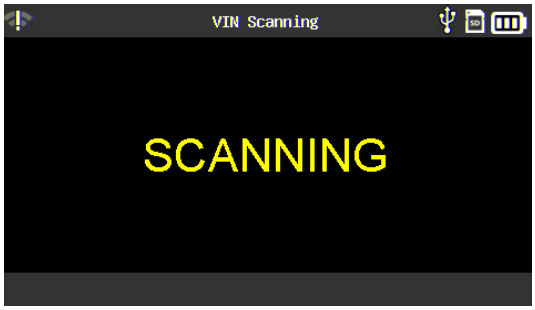


- Select "Remote"

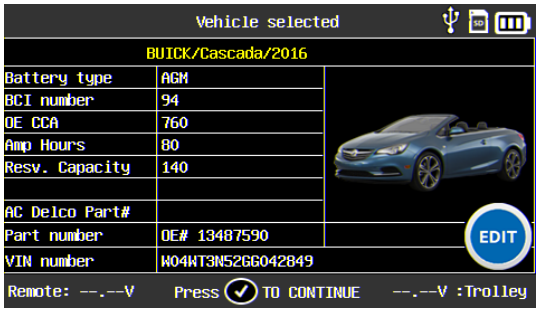
- Select "MMY" to use the embedded database of the tool.

- Select "VIN Scan" to scan the VIN of the vehicle.

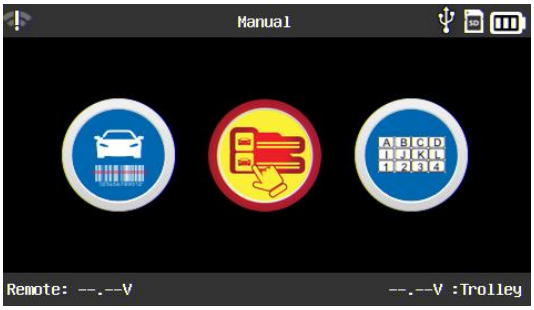
- Press ✓ to start the process.



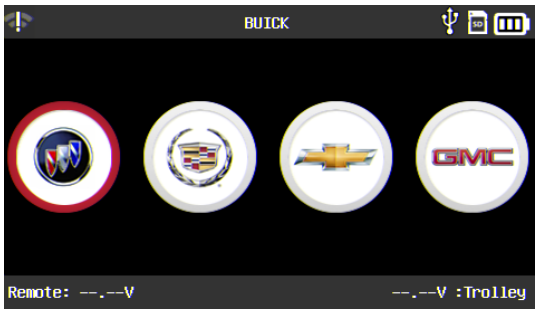
- Position the tool by the door jam or by the window and scan the QR code.



- The "Vehicle selected" will come up once the VIN is scanned.

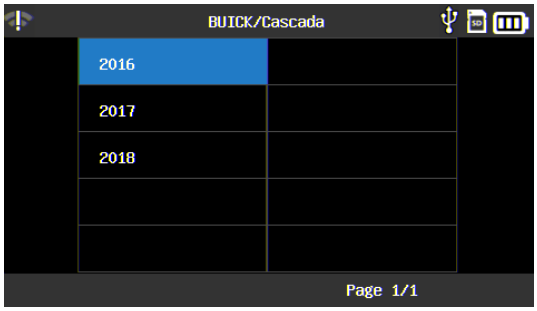


- If VIN not available, there is a manual MMY selection.

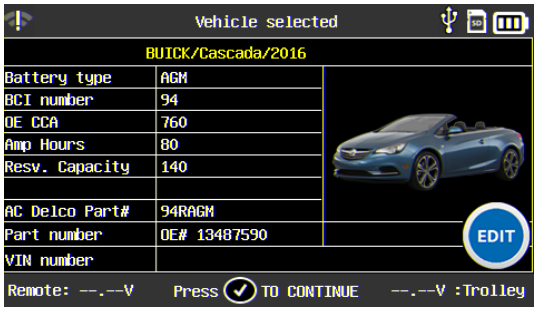


- Select the BRAND of the car being tested.

- Select the Model of the vehicle.

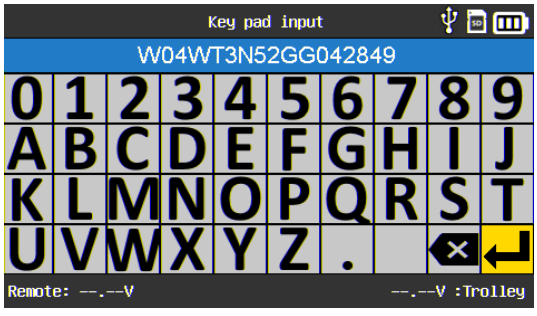


- Select the Year of the vehicle.

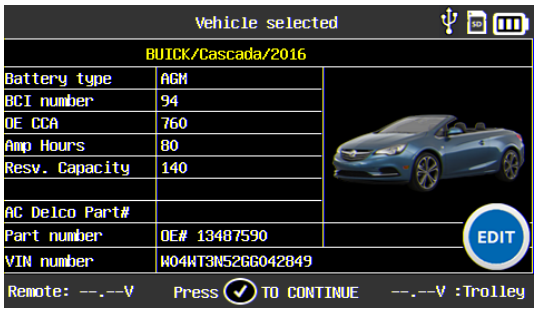


- The Vehicle Selected screen will come up.

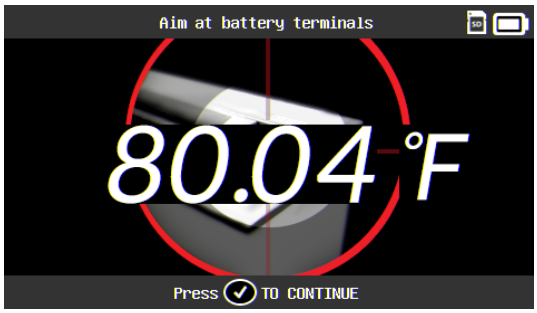
- There is also the option to manually enter the VIN number.



- A keypad will appear. Use the ARROWS on the key pad to type.

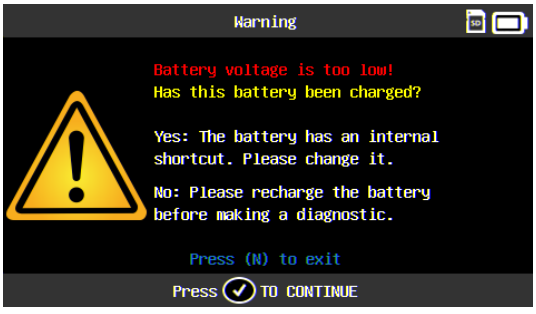


- The Vehicle selected screen will come up.

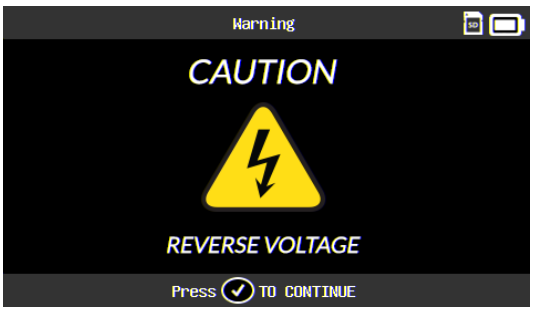


- After pressing ✓ to continue, measure the temperature at the battery terminals.

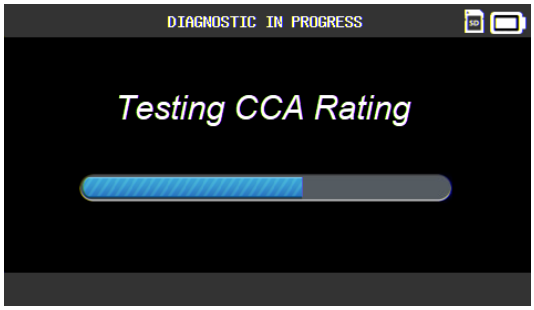
- If the clamps are not connected, the tool will ask to connect the clamps.



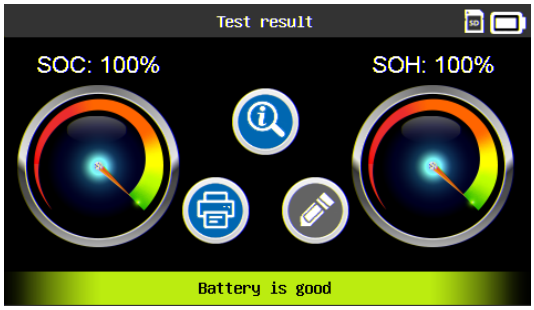
- If the battery voltage is too low, (below 12.4V) the tool will ask you to charge the battery.



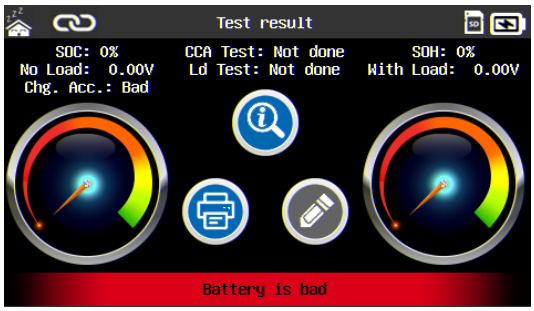
- If the battery is connected on the opposite polarity, the screen « Reverse Voltage » will appear.



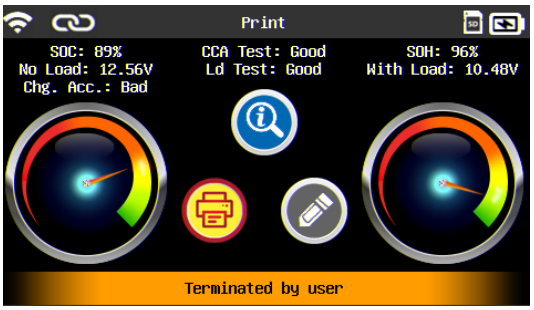
- The tool will do its calculations and come back with a result.



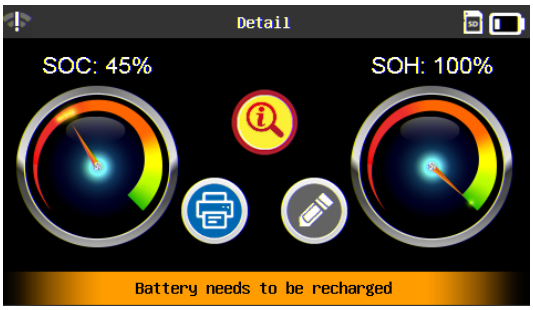
- If the results come back GOOD, the tool will show « Battery is good »



- If the results come back as BAD, the tool will show « Battery is bad »

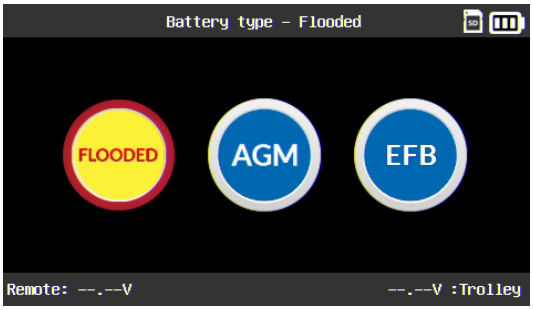


- If the test is terminated, the tool will show « Terminated by user »

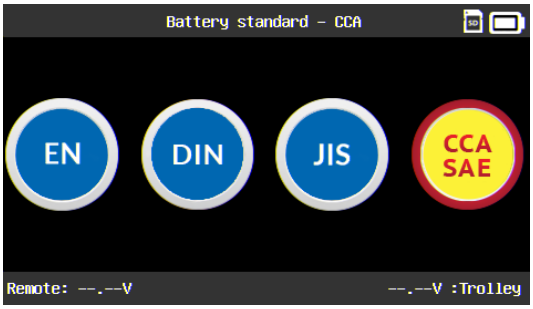


- If the test comes back that the battery needs to be recharged, the tool will show « Battery needs to be recharged »

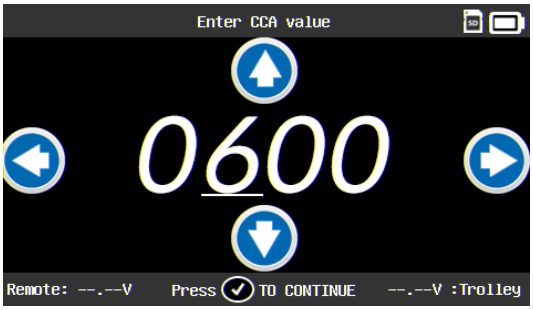
- If the vehicle being tested is not a GM vehicle, or if the battery does not belong to a certain car, there is the manual battery option.



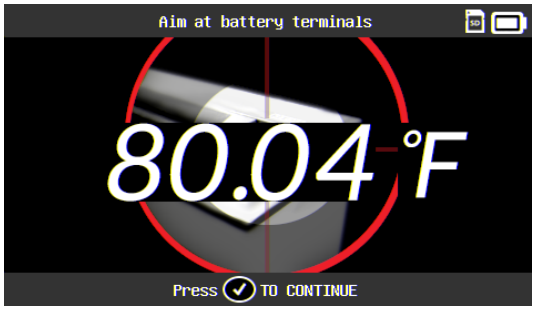
- The option to select the Battery Type will come up. Flooded, AGM, or EFB.



- Once battery type is selected, the Battery Standard will need to be selected.

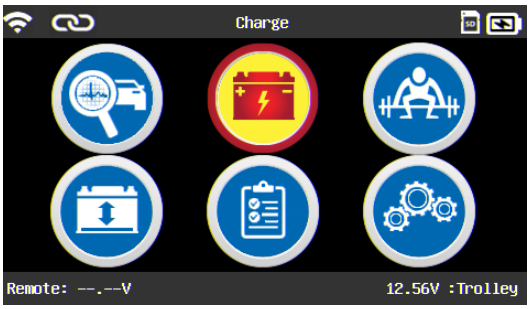


- Manual selection for EN, DIN, JIS, or CCA will be available. (CCA Shown)

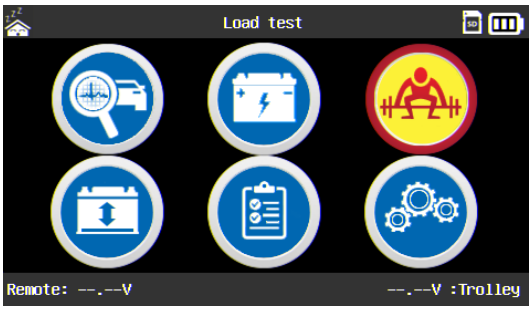


- Once the value is selected, measure the temperature and follow the same steps as above.

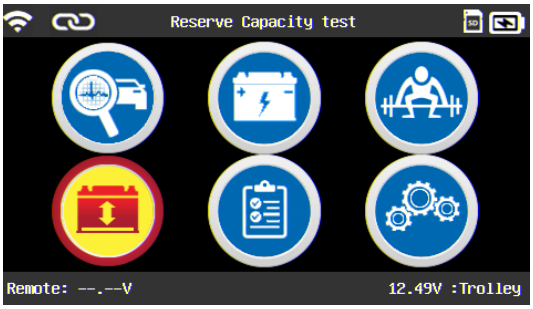
- Trolley Diagnostic Workflow follows the same procedure as the remote workflow.



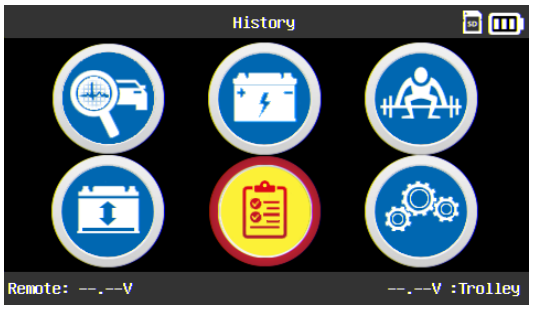
- “Charge” Icon will be used to charge 12V car batteries. Flooded, AGM and EFB supported. Steps will be the same as the Diagnostic flow.



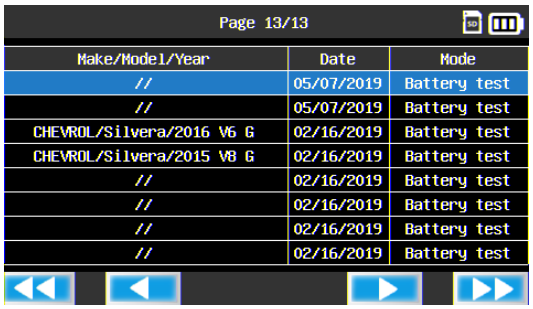
- Load Test Icon will perform a ½ CCA test on the battery.



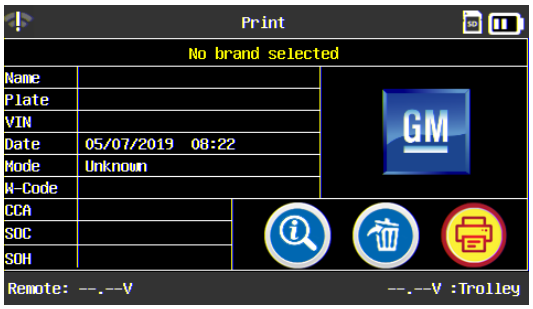
- Reserve Capacity Test will perform a true reserve capacity test on the battery.



- The History Icon shows the records of previous tests performed with the Trolley or with the Remote.



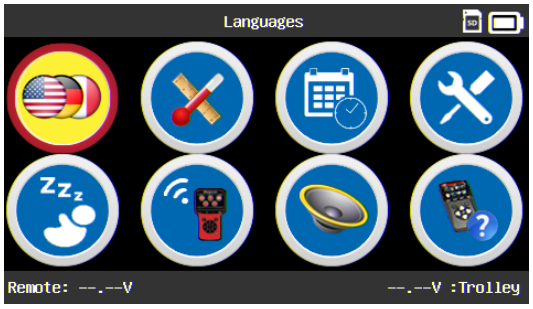
- The History information will show all the tests performed in the format shown here.



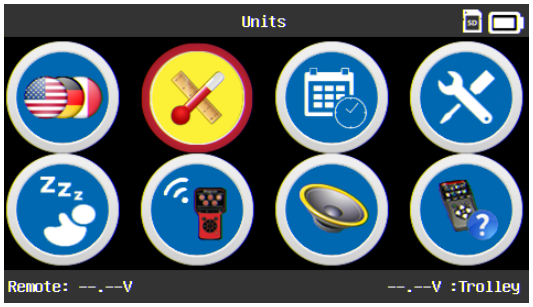
- Pressing the ✓ button will show more information regarding the particular test that was done. There is the option to view the full information, to delete the record, or to print the receipt again.

- The remote must be connected to the trolley in order to print.

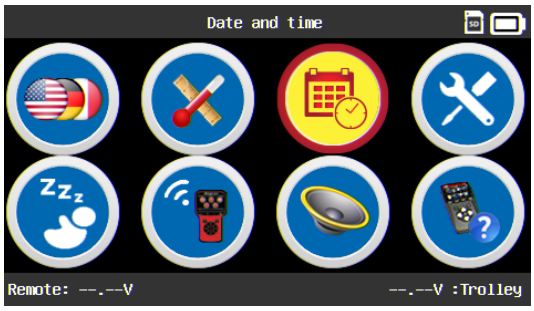
- The “Settings” icon allows the user to personalize the user experience.



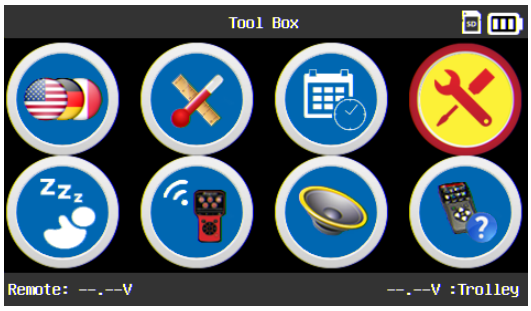
- In “Settings” the user will have the ability to change the language of preference.



- Under “Units” the user has the option to select between Celsius and Fahrenheit.



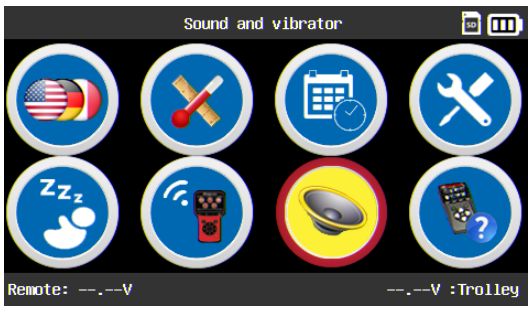
- “Date and Time” will be set automatically during an update, however, there is manual setting of the Date and Time.



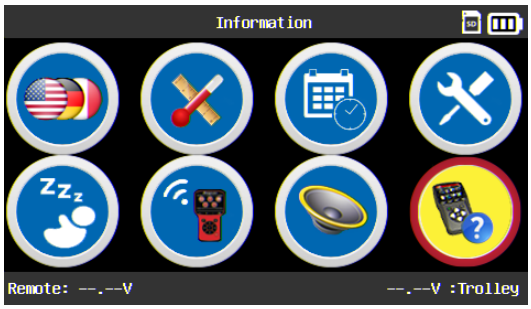
- “Tool Box” has a Voltmeter and a thermal IR temperature reader.

- Auto sleep can be disabled or can be set from one to sixty minutes.

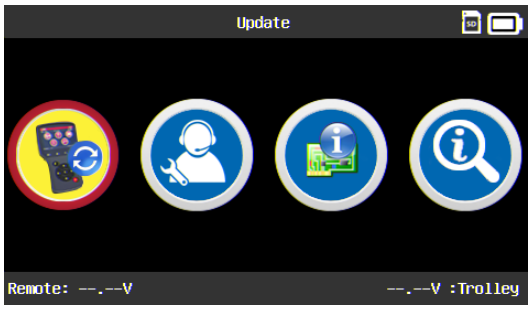
- Wireless icon lets the user select which trolley is controlled by the remote.



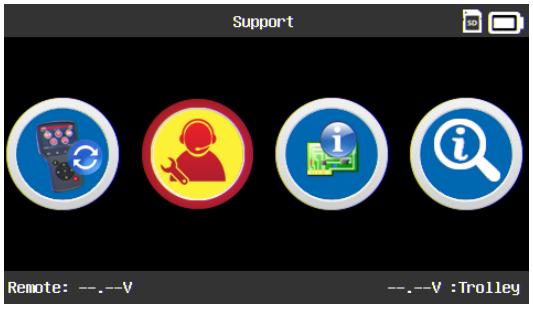
- The user has the option to turn the sound and vibrator on or off in the settings menu.



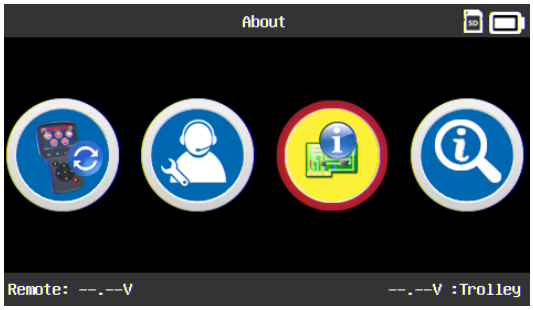
- "Information" screen displays various settings and data about the tool.



- "Update" icon gives information on how to update the tool.



- "Support" icon gives information about how to contact technical support for assistance.



- "About" icon gives information regarding the Remote and Trolley including serial number, software version, and more.

SECTION 5 – Warranty

5.1 Limited Warranty

The DCBS product is backed by a Limited 2-Year Warranty. The warranty covers manufacturer defects and workmanship. The warranty excludes misuse or abuse and normal wear and tear. All accessories are backed by 1-Year Warranty for only manufacturer defects.
All parts with a 1-Year Warranty are listed below. Please read "How to obtain warranty" instructions in order to receive the correct parts and prevent any charges.

ACCESSORIES:
AC Power Cord
Charge Cable with Clamps
Remote Clamps
Printer
USB Cable

5.2 How to Obtain Warranty

Before sending a unit back for repair, an RMA (Return Materials Authorization) number must be obtained by calling E-XTEQ customer service. To get an RMA number, the customer/end user must call the toll-free number under support section below. We will ascertain if the unit needs to come in for repair or replacement. If the unit has to be replaced, E-XTEQ will provide full instructions in order for the end user to receive the replacement parts within 48 hours.

SECTION 6 – Support Information

6.1 Local Support

North America:

E-XTEQ Technical Support
1-877-453-3265
serviceusa@e-xteq.com
www.e-xteq.com

Warning：

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.
If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
-- Reorient or relocate the receiving antenna.
-- Increase the separation between the equipment and receiver.
-- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
-- Consult the dealer or an experienced radio/TV technician for help.
NOTE: This device and its antenna(s) must not be co-located or operation in conjunction with any other antenna or transmitter

RF Exposure Statement

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum distance of 20Cm the radiator your body. This device and its antenna(s) must not be co-located or operation in conjunction with any other antenna or transmitter