

TOUCH

TOUCH SCREEN *X*TREME

DEVICE USER GUIDE

SCT
MORE POWER! LESS FUEL!

What's Included in the Touch Screen Xtreme Package



Touch Screen Xtreme Automotive Wireless Vehicle Programmer

The most advanced pre-loaded / custom tunable automotive handheld programmer on the market!

Bluetooth Wireless OBD Adapter:

Vehicle Programming, Data Monitoring & Read / Clear DTC codes without wires! The Wireless OBD adapter connects the Touch Screen Xtreme to your vehicle.

Adjustable Windshield Mount & Device Mounting Bracket:

Viewing made easy! Mounts your Touch Screen Xtreme quickly & easily to the windshield of your vehicle.

12v USB Automotive Power Adapter:

Power on the go! Provides an in vehicle power source for charging your Touch Screen Xtreme when on the road.

Also included:



Protective Storage Case

No cardboard boxes here, just a rugged storage case to keep your Touch Screen Xtreme safe & secure when not in use.



USB & Analog Cables

USB & Analog connection cables included to power, and monitor external sources such as Air / Fuel widebands etc, wirelessly!



Screen Cleaning Fabric

Specially designed Lint free screen cleaning fabric for keeping your Touch Screen Xtreme's LCD screen like new!



Product Support CD

Digital user guide, device drivers, & SCT's Live Link Data Logging software, it's all right here on the CD!



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SCT Performance LLC. DISCLAIMER OF LIABILITY

THIS IS A HIGH PERFORMANCE PRODUCT. USE AT YOUR OWN RISK. Do not use this Product until you (the “Buyer”) have carefully read this Disclaimer. The installation of this Product indicates that you have read and understand, and accept all of the terms of, this Disclaimer.

SCT Performance, LLC (the “Seller”), shall not be responsible for the Product’s proper installation, use and service. Rather, the Buyer shall look solely to the dealer who installs the Product and/or programs the vehicle with respect to responsibility for the installation or application of the Product, the programming of the vehicle, and any service and support needed by the Buyer with respect thereto, as well as any damage that may be done to vehicle components as a result of modifications made by the dealer.

The Buyer is responsible to fully understand the capability and limitations of his/her vehicle according to manufacturer specifications, warnings and instructions and agrees to hold the Seller harmless from any damage resulting from failure to adhere to such specifications, warnings and/or instructions. The Buyer is also responsible to obey all applicable federal, state, and local laws, statutes, and ordinances when operating his/her vehicle, and the Buyer agrees to hold Seller harmless from any violation thereof.

The Seller’s Limited Warrant for this Product is the Buyer’s exclusive warranty and is in lieu of all other warranties, express or implied, except as may be required by applicable law. Without limiting the generality of the foregoing, the Seller shall not be liable for any breach of any other written or oral warranties given to the Buyer by any third party(ies) such as those (if any) given to the Buyer by dealers or distributors of the Product.

Consult your vehicle warranty before using this Product. Under no circumstances will the Seller be liable for the voidance of the Buyer’s vehicle warranty. Rather, the Buyer assumes all risk and responsibility if an automotive manufacturer and/or dealer voids the Buyer’s vehicle warranty due to use of this Product.

Operate your vehicle at all times in a safe manner. Regardless of any capability, feature or function of the Seller’s Products, the Buyer understands and acknowledges that it is the Buyer’s sole responsibility to ensure that (A) the motor vehicle is operated in a safe and legal manner, (B) the motor vehicle is not driven faster than the lower of the speed limit or the speed rating of the tires on the vehicle in which the Seller’s product is installed, and (C) the maximum RPM or speed rating of the engine is not exceeded while operating the motor vehicle. In no case will the Seller be held liable, and the Buyer assumes all risk and responsibility, for any property damage, personal injury and/or death that may occur in the event the Buyer operates the vehicle in an unsafe manner, violates the law or exceeds the above mentioned limits.

Please check your local, state and federal laws to determine if you are within your rights to modify your vehicle’s controller. The Seller makes no representation or warranty, express or implied, that the use of its Products will comply with local, state, or Federal emission levels, noise levels or safety standards. The Buyer assumes all responsibility for such use and compliance.

SELLER IS NOT LIABLE FOR AND HEREBY EXCLUDES ANY AND ALL INDIRECT, INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES RELATING TO THE PRODUCTS COVERED BY THIS DISCLAIMER.

The Seller’s Limited Warranty for this Product gives you specific legal rights, and you may also have other rights which may vary from state to state. Pertinent state law shall control for what period of time following the sale a consumer may seek a remedy under the implied warranty of merchantability or fitness for a particular purpose. Some states do not allow the exclusion or limitation of incidental or consequential damages so the above limitations or exclusions may not apply to you.

IN THE EVENT THAT THE BUYER DOES NOT AGREE WITH THIS DISCLAIMER, THE BUYER MAY PROMPTLY RETURN THIS PRODUCT, IN A NEW AND UNUSED CONDITION, WITH A DATED PROOF OF PURCHASE, TO THE PLACE OF PURCHASE WITHIN FOURTEEN (14) DAYS FROM DATE OF PURCHASE FOR A FULL REFUND.



SCT Performance LLC. TOUCH SCREEN XTREME LIMITED WARRANTY

IMMEDIATE CONSUMER ACTION REQUIRED!

YOU MUST REGISTER YOUR TOUCH SCREEN XTREME DEVICE WITHIN 30 DAYS OF PURCHASE TO VALIDATE YOUR 1 YEAR LIMITED WARRANTY.

What Does This Warranty Cover?

This warranty covers any defects or malfunctions in your SCT TOUCH SCREEN XTREME product within the warranty period set forth below, subject to the following conditions and limitations.

How Long Does The Coverage Last?

This warranty lasts for a period of one (1) year following the date of sale by SCT of the TOUCH SCREEN XTREME product to the original SCT dealer / distributor; provided, however, the duration of this warranty will be extended to one (1) year from the date of original purchase by the consumer from the SCT dealer/distributor so long as the consumer submits the required online registration information within thirty (30) days of purchase, as provided below. All implied warranties, including warranties of merchantability and fitness for a particular purpose are limited to the warranty period set forth above.

What Will SCT Do?

SCT will, at its option and as its sole obligation under this warranty, replace or repair any TOUCH SCREEN XTREME product that has a defect(s) in manufacturing, material and / or workmanship provided that SCT is notified of the claim within the warranty period provided herein. SCT will not be liable for, nor will it reimburse the consumer for any fees, charges or expenses for shipping and/or handling costs associated with the return to SCT of any defective TOUCH SCREEN XTREME products sent in for replacement or repair.

What Does This Warranty Not Cover?

Any damage and/or other problem(s) caused by abuse, misuse, neglect, vandalism, accident, act of God (e.g., flood, fire, lightning), or other cause beyond the reasonable control of SCT is/are not covered. Also, any damage or problem resulting from faulty or improper installation is not covered and shall be the responsibility of the installer. SCT IS NOT LIABLE FOR AND HEREBY EXCLUDES ANY AND ALL INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES RELATING TO THE PRODUCTS COVERED BY THIS WARRANTY. This is the consumer's exclusive warranty and is in lieu of all other warranties, express or implied, except as may be required by applicable law. Without limiting the generality of the foregoing, SCT shall not be liable for any breach of any other written or oral warranties given to the consumer by any third party(ies) such as those (if any) given to the consumer by dealers or distributors of the products.

How Do You Get Service?

In order to be eligible for service under this warranty you MUST complete the online registration information within thirty (30) days of purchase. To register your TOUCH SCREEN XTREME product, please log on to www.sctflash.com, click on "Warranty Registration" and follow the simple steps provided on the website. If you do not have internet access, or encounter difficulties with the online registration process, please contact SCT at 407.774.2447. To initiate a claim under this warranty, you can either log on to the SCT website and follow the warranty claim instructions or you can call 407.774.2447 and instructions will be provided.

Can This Warranty Be Transferred?

This warranty is not transferable and applies only to the consumer who originally purchased the TOUCH SCREEN XTREME product.

How Does State Law Apply?

This warranty gives you specific legal rights, and you may also have other rights which may vary from state to state. Pertinent state law shall control for what period of time following the sale a consumer may seek a remedy under the implied warranty of merchantability or fitness for a particular purpose. Some states do not allow the exclusion or limitation of incidental or consequential damages so the above limitation or exclusion may not apply to you.

For questions regarding SCT's products or warranties please contact SCT at 407.774.2447

Before Getting Started - Vehicle Systems, Battery Charging & Care

Before we walk you through installing your Touch Screen Xtreme, there is some information you need to know:

Standard Vehicle Systems & Functions

It is always a good idea to turn-off any vehicle systems that may become active during the tuning process such as cooling fans, fuel pumps etc. to avoid draining the vehicle's battery. To disable these functions, consult your vehicle's owners manual and remove the fuse for each these systems. Also be sure to turn-off the vehicle's stereo and HVAC system.

Charging the Touch Screen Xtreme Battery



DO NOT ATTEMPT TO PROGRAM YOUR VEHICLE BEFORE CHARGING THE TOUCH SCREEN XTREME TO FULL CAPACITY!

NOTE: Before programming your vehicle, the Touch Screen Xtreme should be fully charged. Do not attempt to program the vehicle when the device battery level is low, or permanent damage to your vehicle's computer can occur.

Battery Care & Life Cycle

The rechargeable lithium-ion battery built into your Touch Screen Xtreme features the latest in rechargeable battery technology. Lithium-ion batteries can last up to 5 years (400-500 deep cycle charges) if properly charged, stored and maintained. But don't worry, the Touch Screen Xtreme looks after charging the battery for you (you still need to plug it in). The Touch Screen Xtreme features an intelligent charging system that conditions the battery for optimum performance and maximum life cycle. You can plug in your Touch Screen Xtreme at any time, you do not need to fully discharge the battery and the battery DOES NOT have a memory like rechargeable batteries of the past.

As with any rechargeable battery, the lithium-ion battery contained within your device may loose charge capacity over time. This will happen over many years and is normal for this type of rechargeable battery technology. For more information on checking the charge status of the Touch Screen Xtreme's battery, see the "Understanding the Touch Screen Xtreme Interface" section of this manual.



NOTE: The lithium-ion battery inside the Touch Screen Xtreme is a not a serviceable component and can only be replaced by SCT.

Before Getting Started - Cleaning & Caring for your Touch Screen Xtreme

Caring for your Touch Screen Xtreme

Your new Touch Screen Xtreme contains sensitive electronic components that can be permanently damaged if exposed to excessive shock or vibration. To minimize the risk of damaging your device, avoid dropping your unit or exposing it to high shock (static electricity) or high vibration environments.

Screen Care:

NOTE: Do not expose the Touch Screen Xtreme to water. Contact with water or damp environments can permanently damage the unit and cause it to malfunction.

Although a PDA stylus can be used with the Touch Screen Xtreme, the user interface has been designed for use with your fingertip. Never use a hard or sharp object such as keys etc. to operate the touch screen. Do not press firmly on the screen when navigating throughout the device, instead, touch gently on the area of the screen you wish to enter until you hear an audible click.

Clean the Touch Screen Xtreme LCD screen with the fabric Screen Cleaning fabric provided or with a clean, lint free soft cloth. Do not use chemicals to clean the screen unless specifically designed for cleaning LCD touch screen displays. For more information on SCT approved cleaning products for your Touch Screen Xtreme, please visit our website or contact our technical support department.

Cleaning the Touch Screen Xtreme:

The Touch Screen Xtreme device is constructed of high quality materials and does not require any maintenance other than mild cleaning. To clean the outer case of the unit, use a soft, lint free cloth to remove dust. If further cleaning is required, (**not the Touch Screen**) use a dampened cloth with a mild detergent to wipe off stubborn stains and wipe dry. Avoid using cleaners and solvents that will damage plastic components.

Before Getting Started - Storing, Updating & Technical Support for your Touch Screen Xtreme

Storing your Touch Screen Xtreme

The Touch Screen Xtreme should be stored out of direct sunlight when not in use. Do not store the Touch Screen Xtreme where prolonged exposure to extreme temperatures can occur. Exposure to extreme heat or cold can cause permanent damage to the device. Store the Touch Screen Xtreme in the vehicle's glove compartment, under the seat or in the Touch Screen Xtreme storage case when not in use.

Device Firmware & Tune Revision Updates:

From time to time, you may wish to update your device to the latest version of firmware or tune revision. For step by step instructions on how to update your Touch Screen Xtreme or to download the latest Touch Screen Xtreme device drivers & updates, visit [www. SCTFLASH.com](http://www.SCTFLASH.com) and click on the Tech Support link.

Technical Support:

Included with your Touch Screen Xtreme device is 1 year of free technical support. SCT's technical support is open Monday to Friday from 9am - 6pm. The Technical Support Department can be reached by calling 407-774-2447 or by emailing support@sctflash.com. Before contacting SCT's Technical Support department, please have the following information available: Year, Make, Model and engine size of the vehicle, the vehicle's strategy code, the Touch Screen Xtreme version, serial number and the purchase date of your device. To obtain the vehicle's strategy code, see the "Diagnostics - Reading the Vehicle's Strategy Code" section of this manual. To obtain the Touch Screen Xtreme version and serial number, see the "Device Information: Retrieving the Touch Screen Xtreme's Device Information" section of this manual.

HINT!:

Answers to the most common technical support questions such as instructions for updating your Touch Screen Xtreme etc. can be found in the SCT Knowledge Base on our website. To save time and to find answers to your questions quickly, try locating the answer to your technical support question in the SCT Knowledge Base prior to contacting technical support.



Touch Screen Xtreme Installation & Setup: **Installing the 12v USB Power Adapter & Cable**

To install the 12v USB power adapter in your vehicle, locate the vehicle's cigarette lighter socket or 12v Accessory socket.

Step 1: Plug the 12v USB Power Adapter into your vehicle's cigarette lighter / 12v Accessory socket. The red LED on the end of the adapter should turn on.

Step 2: Plug in the supplied USB cable into the plug on the end of the 12v USB power adapter. Plug the opposite end of the USB cable into the USB socket on the back of the Touch Screen **X**treme device. Power should now be supplied to the device.

Trouble Shooting:

If the red LED on the 12v USB Power Adapter does not illuminate when plugged into the vehicle's cigarette lighter / 12v Accessory socket check:

- 1)** The adapter is fully inserted into the socket.
- 2)** Is your vehicle's cigarette lighter / 12v socket fuse blown?
(Check your vehicle's owners manual for instructions on locating and replacing the fuse.)
- 3)** Has the adapter's fuse blown? To check / replace the fuse, remove the 12v adapter from the socket. Turn the black tip of the adapter counter clockwise to reveal the adapters fuse. If the fuse is blown, replace the fuse with a fuse of equal rating available at most general retailers, electronics and auto parts suppliers.

Touch Screen Xtreme Installation & Setup: Mounting the Touch Screen using the Windshield Mount

The Touch Screen Xtreme Adjustable Windshield Mount is designed to be attached to any glass surface. Locate a suitable spot on your vehicle's windshield where you would like to mount your Touch Screen Xtreme device.



NOTE: Check your local traffic laws before mounting the Touch Screen Xtreme. Currently, some laws prohibit drivers from using suction mounts or other devices on their windshield's that could obstruct the drivers vision while operating the vehicle. If your local laws prohibit such mounting, visit www.SCTFLASH.com for an alternative mounting solution for your Touch Screen Xtreme.

STEP 1: Clean the surface of the windshield with glass cleaner to ensure optimum suction.

STEP 2: Moisten the clear suction cup of the mount using a damp towel or cloth.

STEP 3: With the Release Lever in the top most position, place the suction cup on the area of choice on the windshield. Hold in place firmly while depressing the lever towards the windshield creating a secure mount. The lever will click as depressed.

STEP 4: Attach the mounting bracket to the back of the Touch Screen Xtreme device. Align the ball of the windshield mount to the socket on the back of the Touch Screen Xtreme mounting bracket and press firmly in place. The Touch Screen Xtreme mounting bracket will snap into place, securing the Touch Screen Xtreme to the windshield mount.

STEP 5: Loosen the adjuster ring on the windshield mount to adjust the viewing angle of the Touch Screen Xtreme. Once the desired position is determined, tighten the adjuster ring to firmly hold the Touch Screen Xtreme in place.



Touch Screen Xtreme Installation & Setup: Attaching the Wireless Adapter to your vehicle

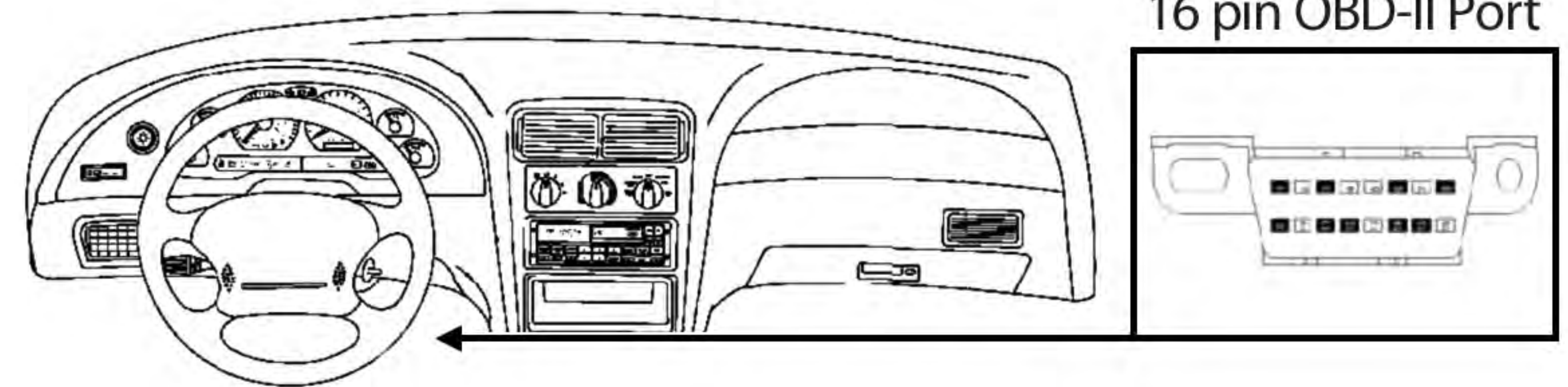
The Wireless Adapter is used to connect the Touch Screen Xtreme to your vehicle using Bluetooth Wireless technology.

Step 1: Locate the vehicle's OBD Diagnostic port. This connector is usually located under the vehicle's dash board on the driver's side. The port may be covered with a cap or compartment door labelled OBD Diagnostic Port.

Step 2: If the connector pins are covered or the port is located behind a compartment door, remove the cap or open the compartment door.

Step 3: Connect the 90 degree OBD connector on the wireless adapter to the vehicle's OBD Diagnostic port.

Step 4: If the wireless adapter is going to be left in place to allow vehicle data monitoring, securely fasten the wireless adapter using zip ties or double sided tape.



Touch Screen Xtreme Installation & Setup: Connecting External Analog Inputs (optional)

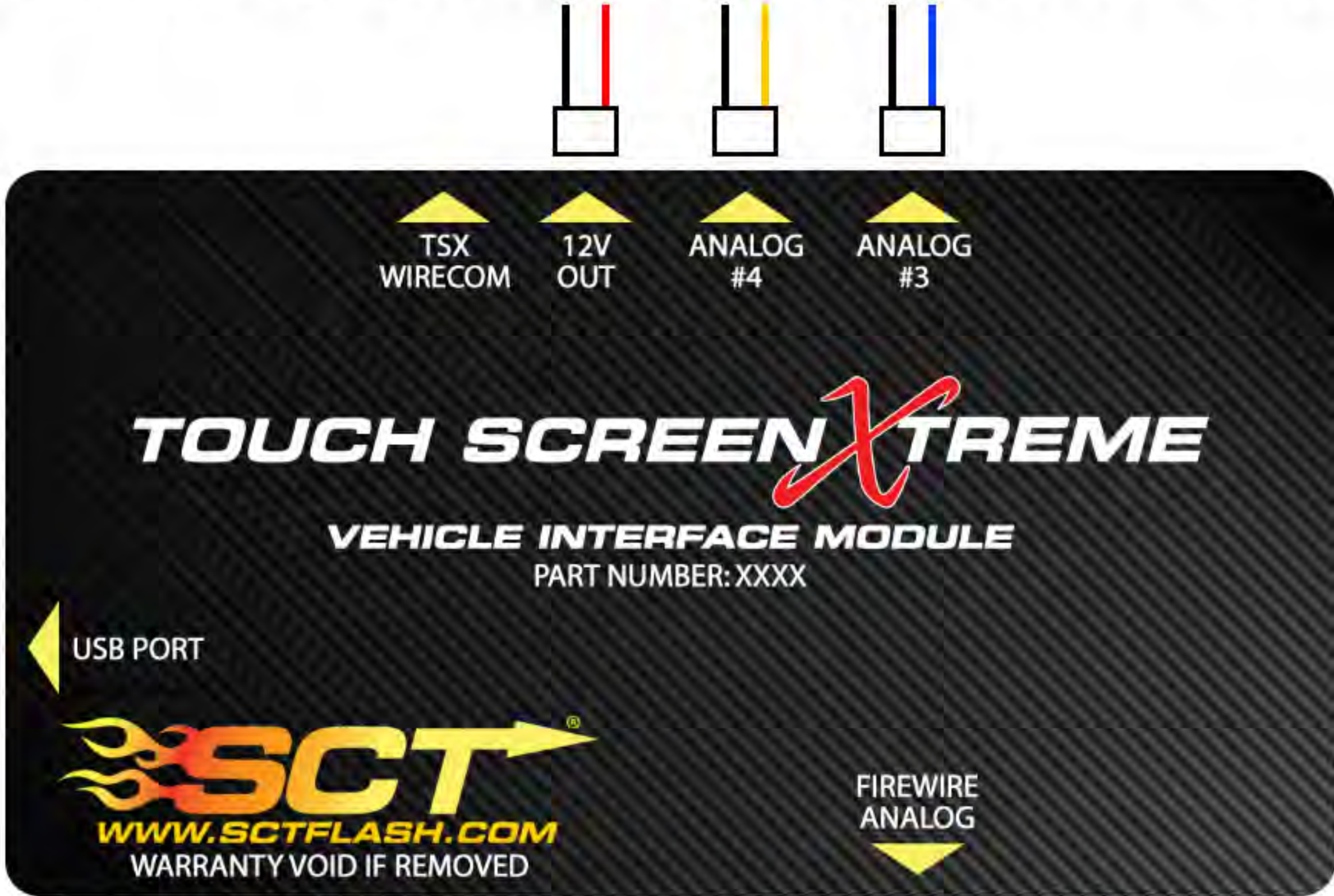
The Touch Screen Xtreme has the ability to data log and monitor up to 4 Analog inputs from external sources such as an Air / Fuel wideband, EGT Temperature Sensors or any other 0 - 5v device, wirelessly. Optional 12v & 5v output connections are also supplied on the wireless adapter should you require a 12v or 5v source to power an external device.

Step 1: Attach the required number of analog input connections to the wireless adapter using the wiring diagram below as a guide.

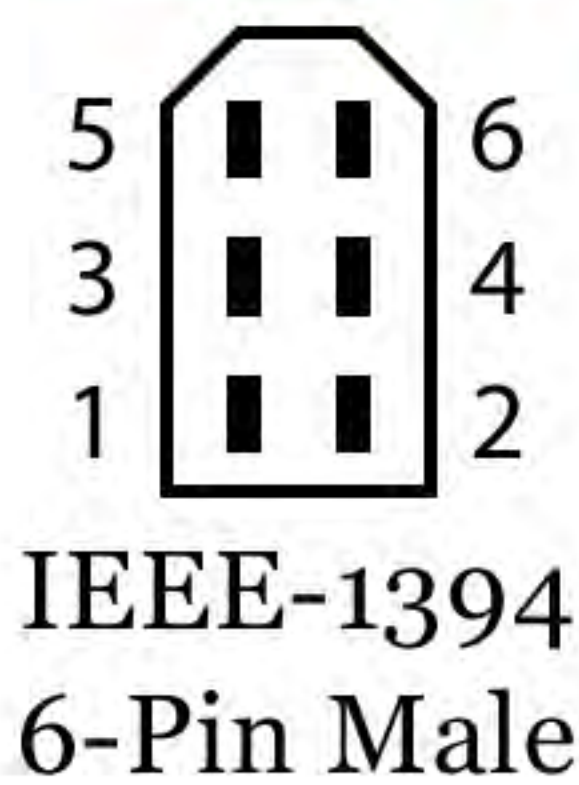
NOTE: Do not connect any device to the Analog inputs that exceeds 5 volts to the wireless adapter or permanent damage to the adapter can occur.

Analog Input / 12v Output Wiring Specifications:

Connection	Wire Color
12v Out: Red/Black Connector	
12v Out (+)	Red
12v Out (-)	Black
Analog #4 Input: Orange/Black Connector	
Analog Input #4 (+)	Orange
Analog Input #4 (-)	Black
Analog #3 Input: Blue/Black Connector	
Analog Input #3 (+)	Blue
Analog Input #3 (-)	Black



Optional Firewire Analog Input Wiring Specifications:



Connection	PIN#
5v Out (+)	1
5v Out (-)	2
Analog #1 Input (+)	3
Analog #1 Input (-)	4
Analog #2 Input (+)	5
Analog #2 Input (-)	6

Getting Started: Touch Screen Xtreme Power ON / OFF Control

Turning the Touch Screen Xtreme ON:

To power on the Touch Screen Xtreme, press the power button located on the top right side of the device. The Touch Screen Xtreme screen will illuminate, and the device will begin the process of loading the user interface (20-30 seconds).

Turning the Touch Screen Xtreme OFF:

To turn the Touch Screen Xtreme OFF, press and hold the power button for 5 seconds and release. The device will now power off and the screen will go black.

Alternatively, a short press of the power button will display the Touch Screen Xtreme Shut Down menu. Touching the Shut Down icon will instantly turn the device off and the screen will go black.



Touch Screen Xtreme Power Button



Getting Started: Understanding the Touch Screen Xtreme User Interface:

Back Button:

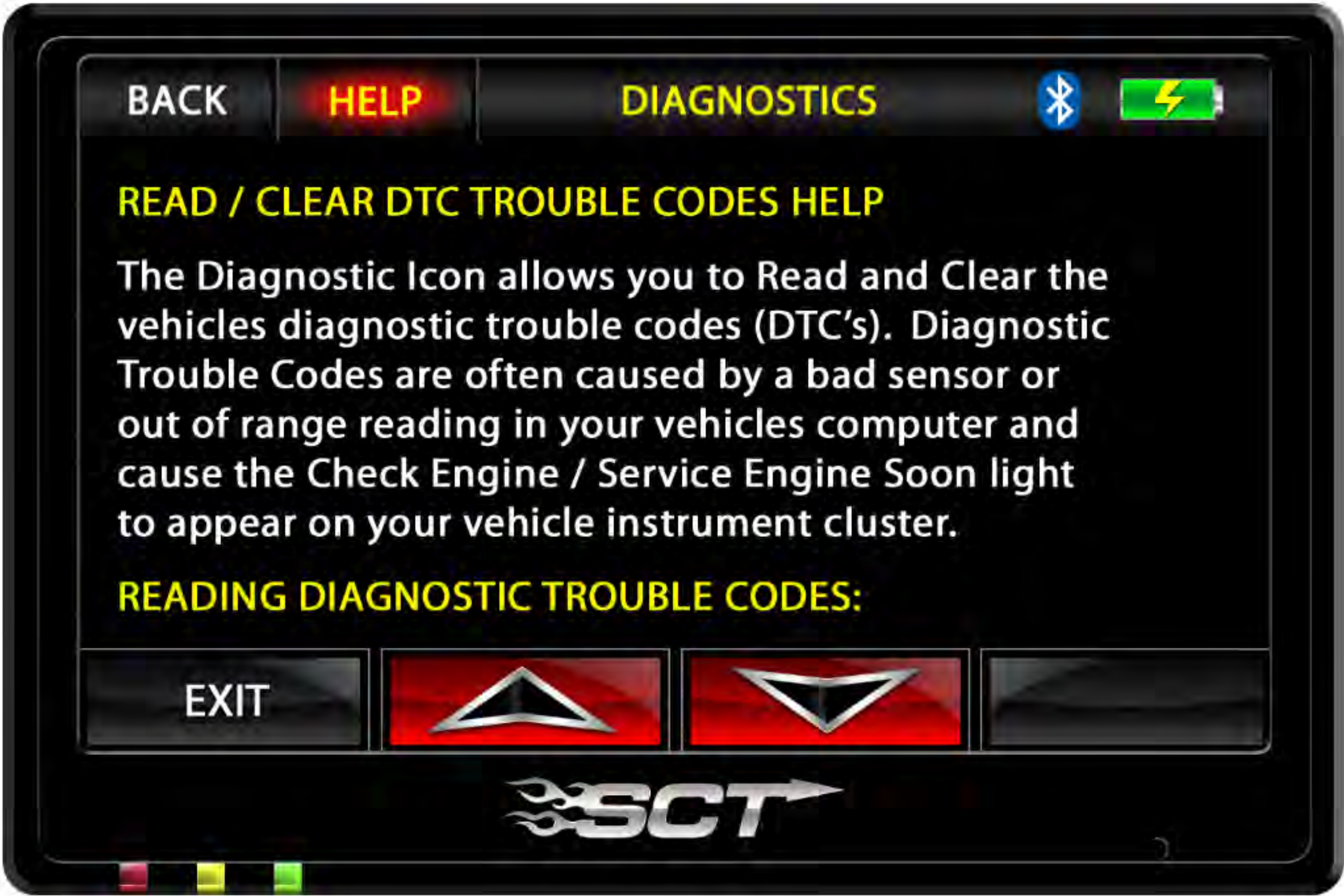
Touching the BACK button will return you to the previous screen. The BACK button is displayed in the top left corner of the device screen and is present on all screens excluding the Main Menu.

Help Button:

The help button allows you to view a brief help description for each of the Touch Screen Xtreme's functions. To use the Help system, touch the HELP button. The button will illuminate signaling the device is in Help mode. Now touch the function you wish to view Help on. For example, touching the Help button, then touching the Program Vehicle Icon, will display Help information for this function. If the Help description extends past the viewable area of the Touch Screen Xtreme's screen, you can scroll Up or Down using the scroll buttons located at the bottom of the screen, or using the kinetic scroll feature. For more information on scrolling, see the "Getting Started: Navigating the Touch Screen Xtreme Menus" section in this manual.

Screen Title:

The Screen Title displays the current area of the device you have navigated to.



Getting Started: Understanding the Touch Screen Xtreme User Interface:

Bluetooth Wireless Adapter Connection Status Icon:

The Bluetooth icon is used to display the current connection status of the wireless communication between the Touch Screen Xtreme and the wireless adapter.



The blue logo with a white symbol indicates the Touch Screen Xtreme & wireless adapter are not paired / connected.



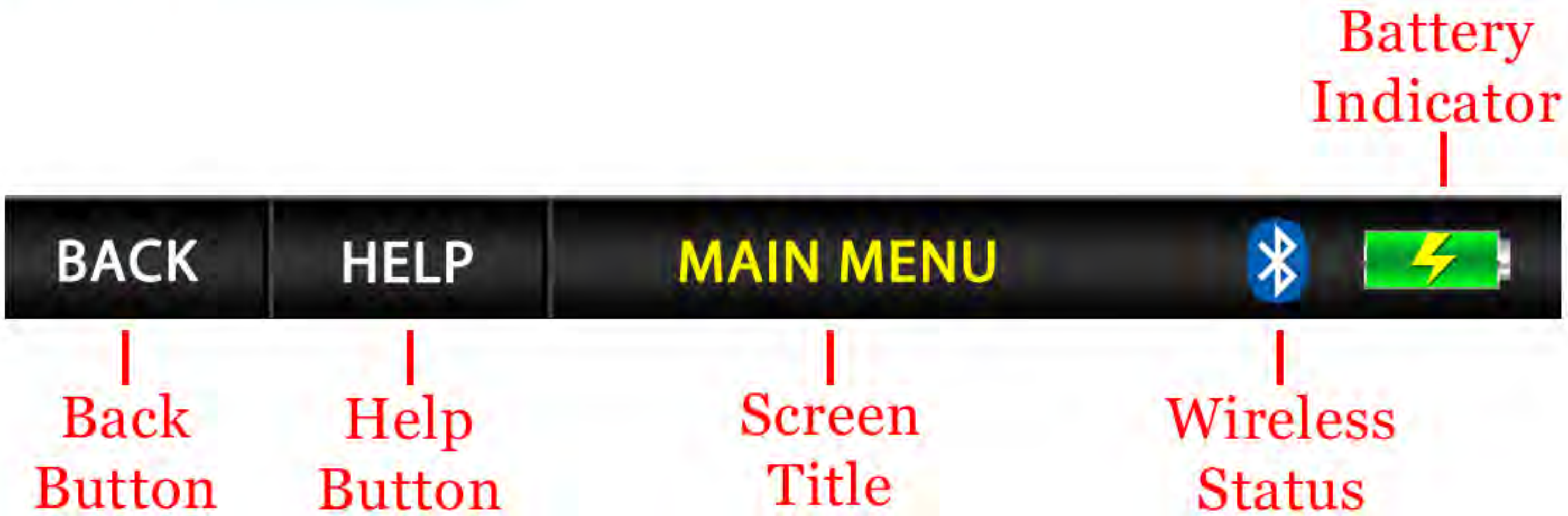
The blue logo with a green symbol indicates the Touch Screen Xtreme & wireless adapter are paired / connected.

Battery Status Indicator Icon:

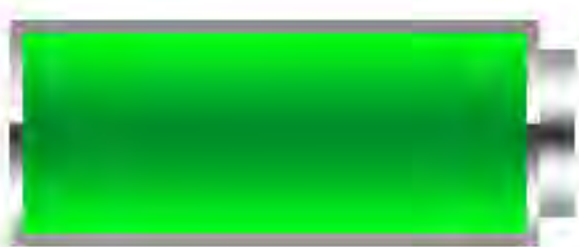
The Battery Indicator icon is used to display the current charge status / charge level of the Touch Screen Xtreme’s lithium-ion battery. The current charge level of the battery is shown in several increments.

Low Battery Warning:

Once the battery level has reached a low charge level, the Touch Screen Xtreme will display a message on the screen indicating the battery needs to be recharged. If you do not attach the power cable to the Touch Screen Xtreme within 2 minutes of this message being displayed, the Touch Screen Xtreme will automatically power off.



Indictates the battery is fully charged and the device is plugged into the power source.



Indictates the battery is fully charged and the device is operating on battery power only.



Indictates the battery is critically low on charge and the device should be plugged into the power source.



Indictates the current battery level, the device is plugged into the power source, and is currently charging.

Getting Started: Navigating the Touch Screen Xtreme Menus:

Navigation Icons:

The navigation icons are used to navigate to individual areas of the device and to perform individual functions. To navigate to each area, simply touch the icon for the area you wish to enter. The Touch Screen Xtreme will produce an audible click acknowledging the touch, the icon will change to the “Touched” state and navigate to the area touched.

Scrolling Methods:

Some areas of the Touch Screen Xtreme allow you to scroll Up / Down to view more information or to select items in a list. Scrolling Up / Down can be accomplished using 2 methods:

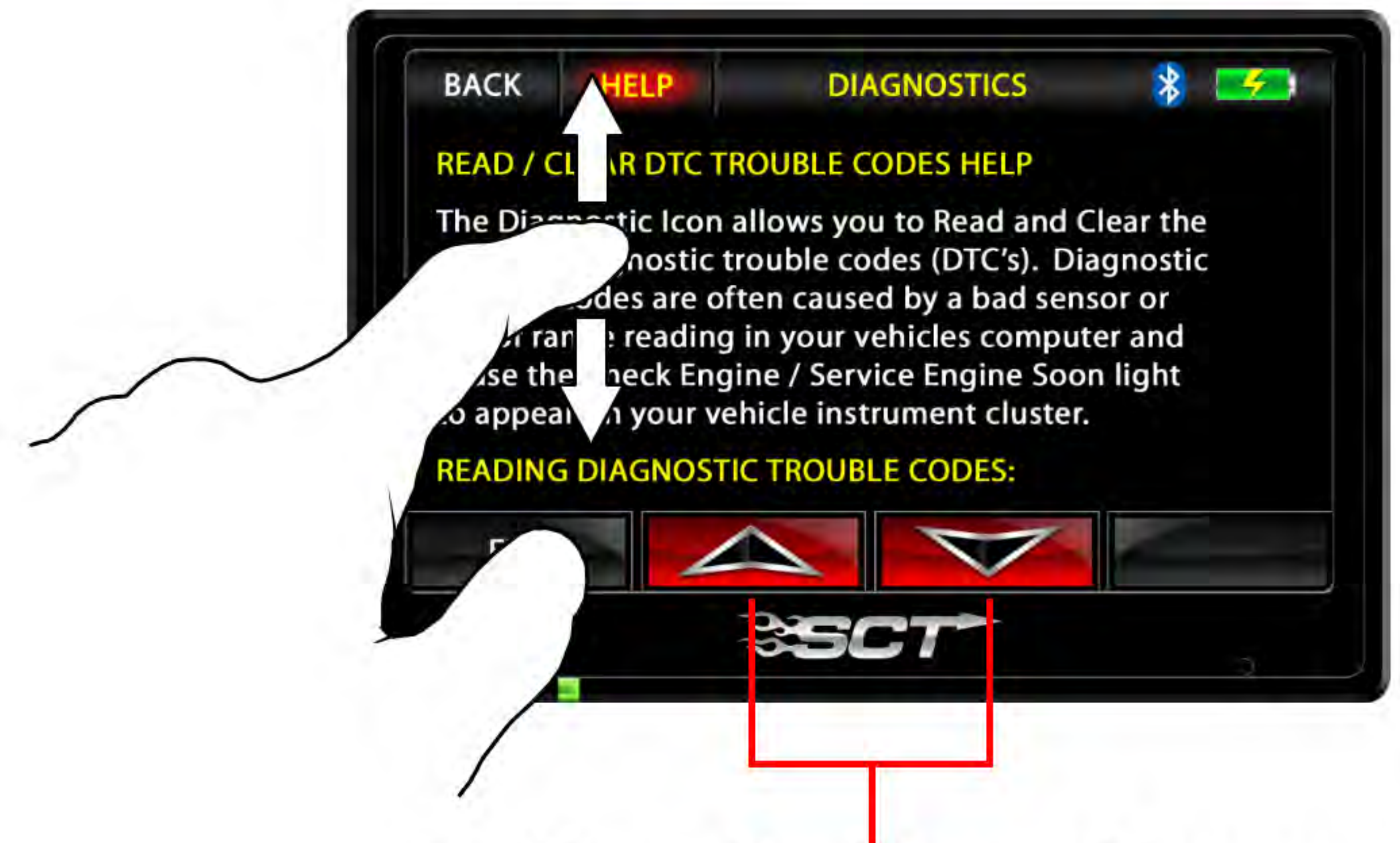
Scrolling using the Up / Down Buttons:

To scroll using the scroll buttons, simply touch the Up / Down arrows located at the bottom of the screen.

Scrolling using the Kinetic / Flick Scrolling feature:

Similar to other popular electronic devices, the Touch Screen Xtreme supports Kinetic / Flick scrolling. To scroll using this feature, gently touch the screen and simultaneously drag your finger Up / Down. This will move the scrollable screen contents Up / Down.

Note: This feature is only available on screens that require scrolling, such as some Help screens and parameter selection screens.



Up / Down Scroll Button / Arrows

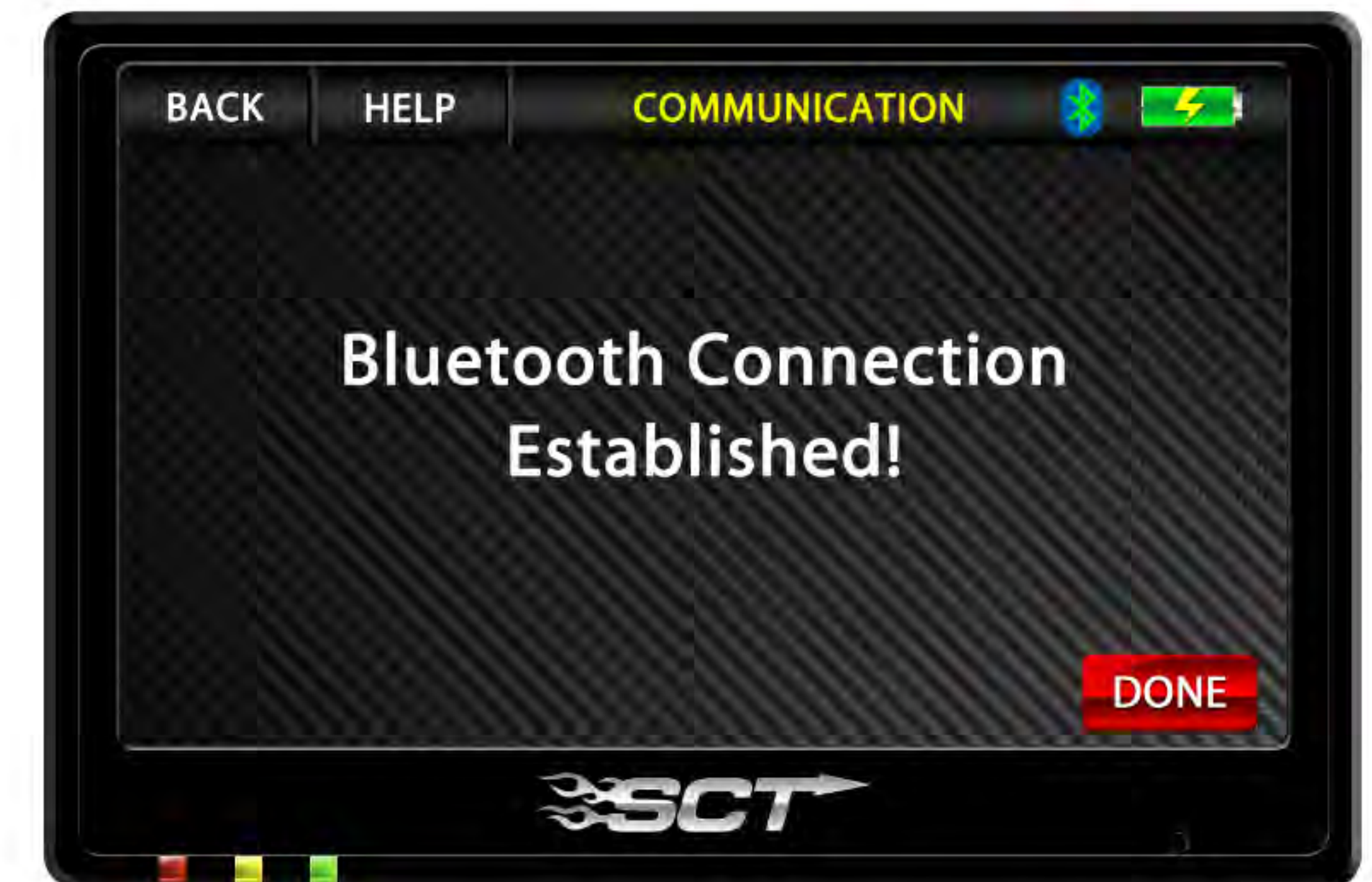
Preparing to Program your Vehicle: Establishing a Wireless Connection

Step 1: From the Main Menu screen, touch the “Settings” Icon, then touch the “Communication” Icon.

Step 2: When prompted “Do you wish to setup a Bluetooth Connection”. Verify the Wireless Adapter is plugged into the vehicle’s OBD diagnostic port and touch the “Yes” button. The Touch Screen **X**treme will attempt to locate the wireless adapter, and when found, will display the adapter ID & Address on the screen.

Step 3: Once the adapter ID & Address have been displayed, touch the “Check Box” to the left of the ID / Address, placing a check mark in the box and touch the “OK” button. The Touch Screen **X**treme will attempt to establish a connection with the wireless adapter and display the message “Bluetooth Connection Established!” when connected.

Step 4: Once the wireless adapter is connected, touch the “DONE” button. The Wireless Connection Indicator icon will now appear Blue with a green symbol indicating the wireless connection has been established. The Touch Screen **X**treme is now “paired” to the wireless adapter. This procedure should not have to be repeated unless the adapter is replaced or the Touch Screen cannot connect to the adapter during use.



Indicates the wireless adapter is paired / connected.

Programming your Vehicle: **Installing a Pre-Loaded Tune File**

Step 1: From the Main Menu screen, touch the “Program Vehicle” Icon. When presented with the Program Vehicle screen, touch the “Pre-Loaded Tune” Icon.

Step 2: When prompted with the “Program Vehicle with Pre-Loaded Tune?” message, touch the “Yes” button to confirm.

Step 3: The device will prompt you to “Turn the Key On”, but DO NOT START THE ENGINE. Turn the key to the “On” position. The Touch Screen Xtreme will automatically detect the key position being moved to the “On” position and will attempt to identify the vehicle type. Once the vehicle has been identified, the vehicle’s Strategy / Vehicle Code will be displayed on the screen. Touch the “Next” button to continue.

Step 4: The Touch Screen Xtreme will then display the list of Pre-Loaded Tune files available for your vehicle. To select a Tune File, simply touch the “Check Box” next to the Tune File Name. When touched, a check mark will appear indicating your selection. To continue, touch the “OK” button. The device will begin “Initializing” the User Adjustable Options.



Programming your Vehicle: **Installing a Pre-Loaded Tune File - User Adjustable Options**

Step 5 - Skipping the User Adjustable Feature: Once the User Adjustable Options have been Initialized, you can “Adjust” the User Adjustable Options or Skip this feature and proceed directly to programming the vehicle. If you wish to Skip this feature, simply touch the “Check Box” next to the “Skip Options” selection, touch the “OK” button and proceed to the next page in this manual.

Step 5 - Adjusting the User Adjustable Options: To Adjust the User Adjustable Options, touch the “Check Box” next to the “Adjust Options” selection and touch the “OK” button to continue.

Step 6: The device will display a list of the available User Adjustable Options for your vehicle. To select an option, simply touch the “Check Box” next to the option and touch the “SELECT” button.

Step 7: Adjust the User Adjustable Options using the scroll feature and the selection boxes. When you have finished adjusting all of the options you wish to change, touch the “OK” button to continue.

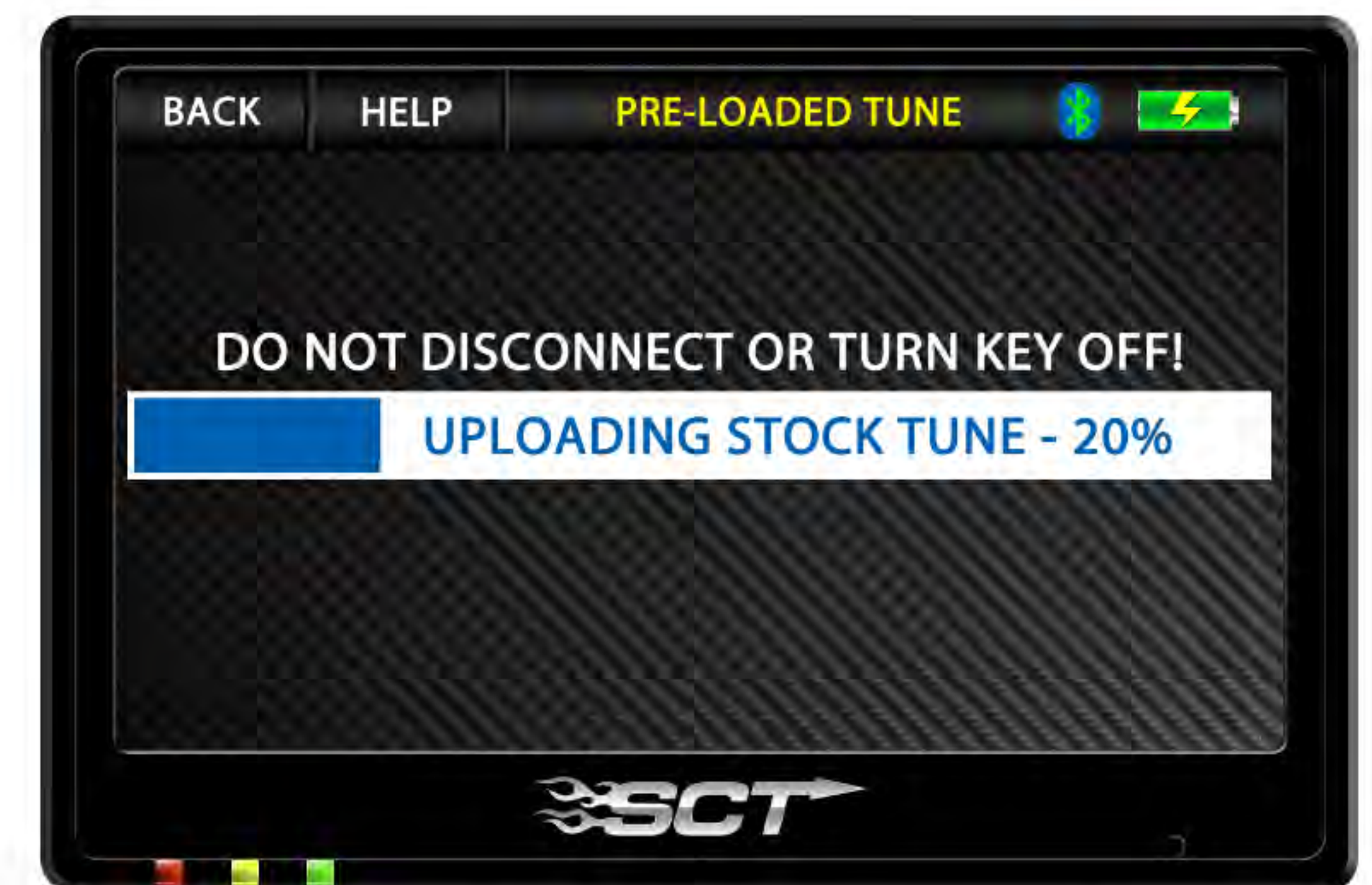
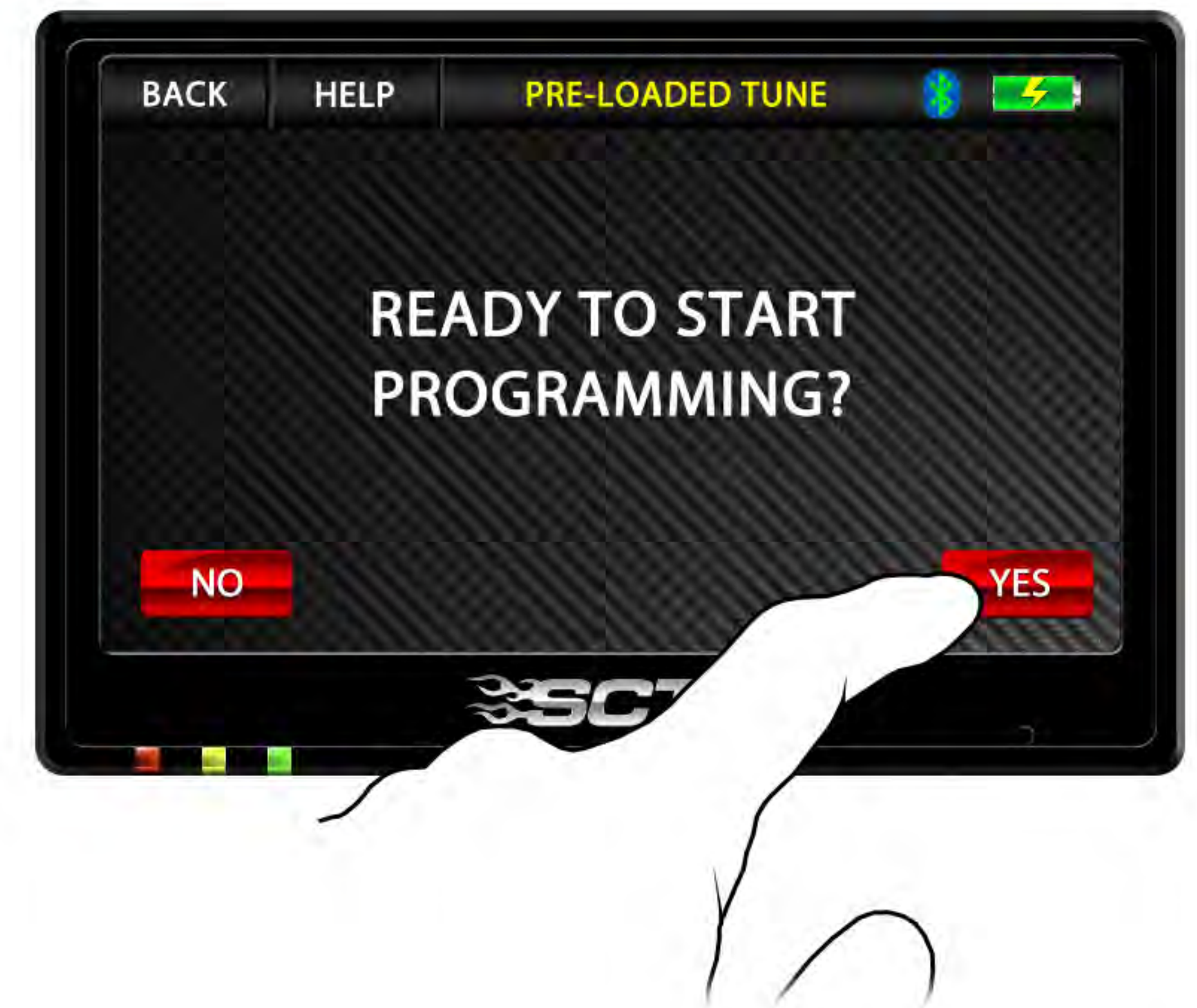


Programming your Vehicle: Installing a Pre-Loaded Tune File - Continued

Step 6: Once you have Skipped or Adjusted the User Adjustable Options, the device is ready to install the Pre-Loaded Tune in your vehicle. When prompted if you are “Ready To Start Programming?”, touch the “Yes” button to continue.

Step 7: The device will prompt you to “Turn the Key On”, but DO NOT START THE ENGINE. Turn the key to the “On” position. The Touch Screen Xtreme will automatically detect the key position being moved to the “On” position and will begin the process of programming the Pre-Loaded Tune into the vehicle. If this is the first time you are installing a tune file, the Touch Screen Xtreme will create a “Backup” of your stock tune file.

Step 8: Once the stock tune file has been “Backed Up”, the device will apply the User Adjustable Options if selected and install the Pre-Loaded Tune file into the vehicle. The screen will display a progress bar as the tune is installed and will display the message “Vehicle Programmed Successfully - Turn Key Off” when completed. When this message is displayed, turn the key to the OFF position. The pre-loaded tune file is now installed in the vehicle and the process is complete.



Programming your Vehicle: **Installing a Custom Tune File**

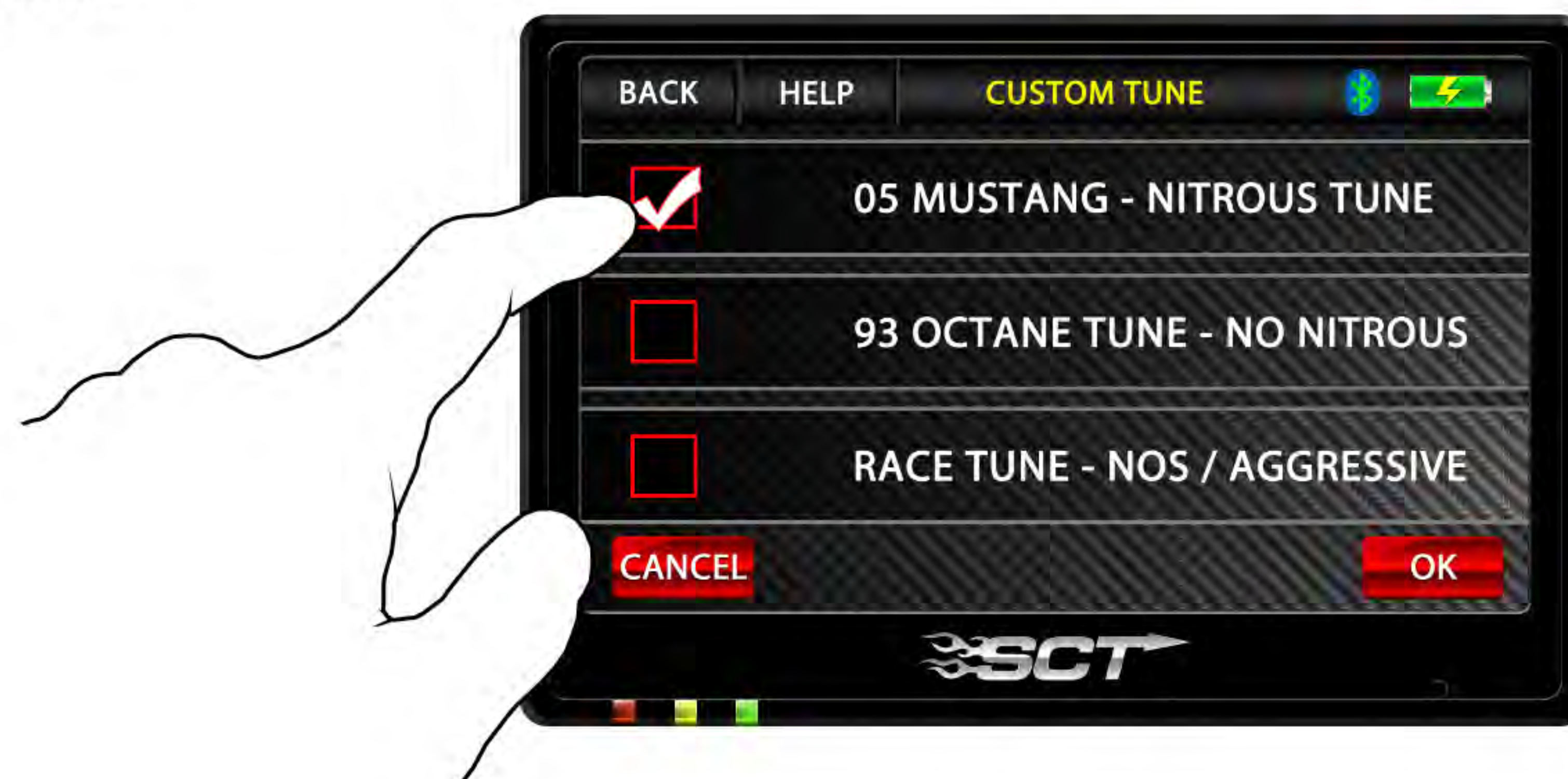
Step 1: From the Main Menu screen, touch the “Program Vehicle” Icon. When presented with the Program Vehicle screen, touch the “Custom Tune” Icon.

Step 2: When prompted with “Program Vehicle with a Custom Tune?”, touch the “Yes” button to confirm.

Step 3: The device will prompt you to “Turn the Key On”, but DO NOT START THE ENGINE. Turn the key to the “On” position. The Touch Screen Xtreme will automatically detect the key position being moved to the “On” position and will attempt to identify the vehicle type. Once the vehicle has been identified, the vehicle’s Strategy / Vehicle Code will be displayed on the screen. Touch the “Next” button to continue.

Step 4: The Touch Screen **X**treme will then display the list of Custom Tune files available for your vehicle. To select a Tune File, simply touch the “Check Box” next to the Tune File Name. When touched, a check mark will appear indicating your selection. To continue, touch the “OK” button. If enabled by your SCT Dealer / Tuner, the device will begin “Initializing” the User Adjustable Options.

NOTE: Custom Tune files are only available if loaded on the device by one of SCT’s Custom Tuning dealers. To find a Custom Tuning Dealer near you, visit www.SCTFLASH.com

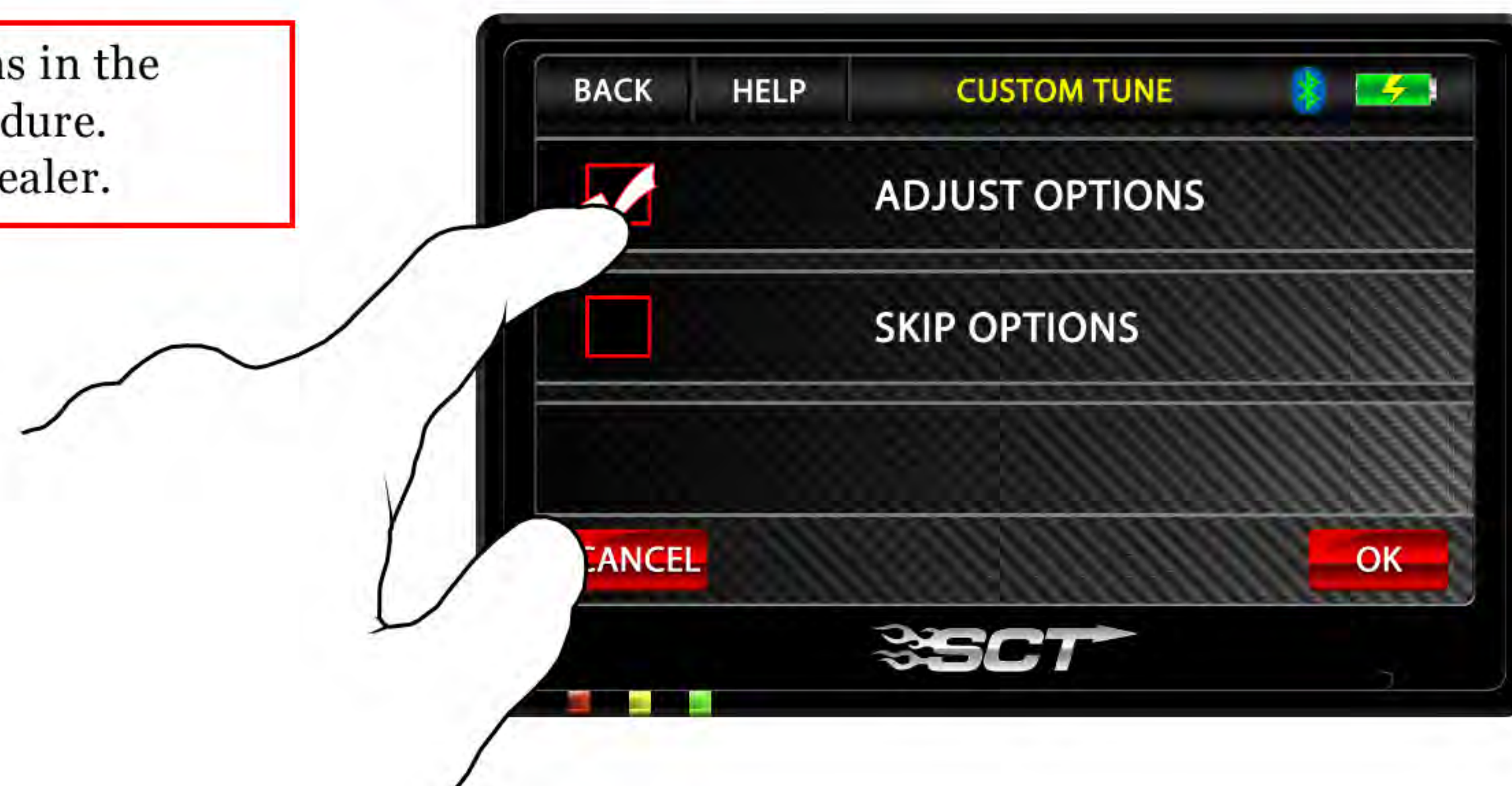


Programming your Vehicle: **Installing a Custom Tune File - User Adjustable Options**



NOTE: Your Custom Tuning Dealer **MUST** enable the User Adjustable Options in the Custom Tune or this feature will not be available in the Custom Tuning procedure. Skip to the next page in this manual if this feature was not enabled by your Dealer.

Step 5 - Skipping the User Adjustable Feature: Once the User Adjustable Options have been Initialized, you can “Adjust” the User Adjustable Options or Skip this feature and proceed directly to programming the vehicle. If you wish to Skip this feature, simply touch the “Check Box” next to the “Skip Options” selection and touch the “OK” button and go to the next page in this manual.



Step 5 - Adjusting the User Adjustable Options:

To Adjust the User Adjustable Options, touch the “Check Box” next to the “Adjust Options” selection and touch the “OK” button to continue.

Step 6: The device will display a list of the available User Adjustable Options for your vehicle. To select an option, simply touch the “Check Box” next to the option and touch the “OK” button.

Step 7: Adjust the User Adjustable Options using the scroll feature and the selection boxes. When you have finished adjusting all of the options you wish to change, touch the “OK” button to continue.

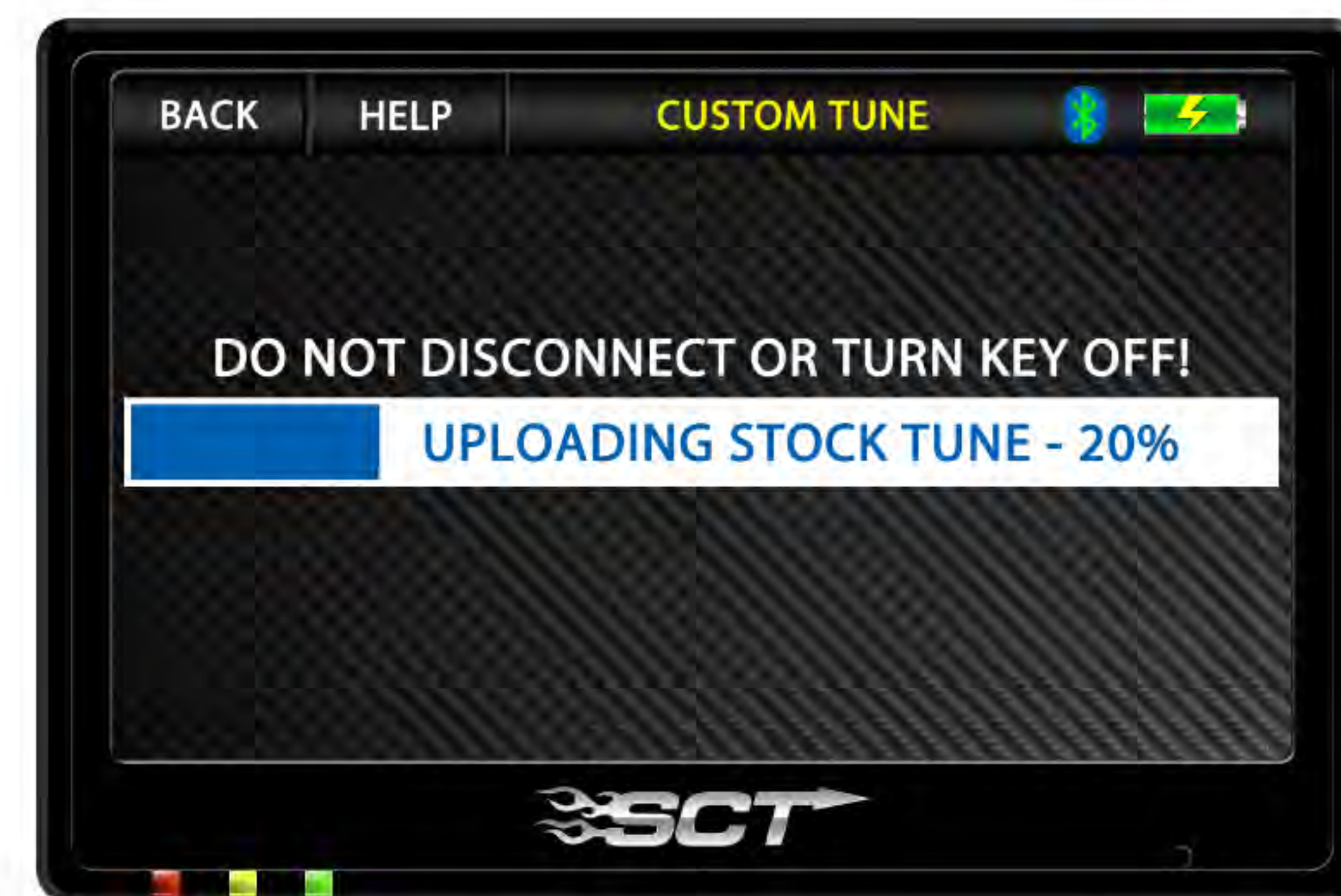
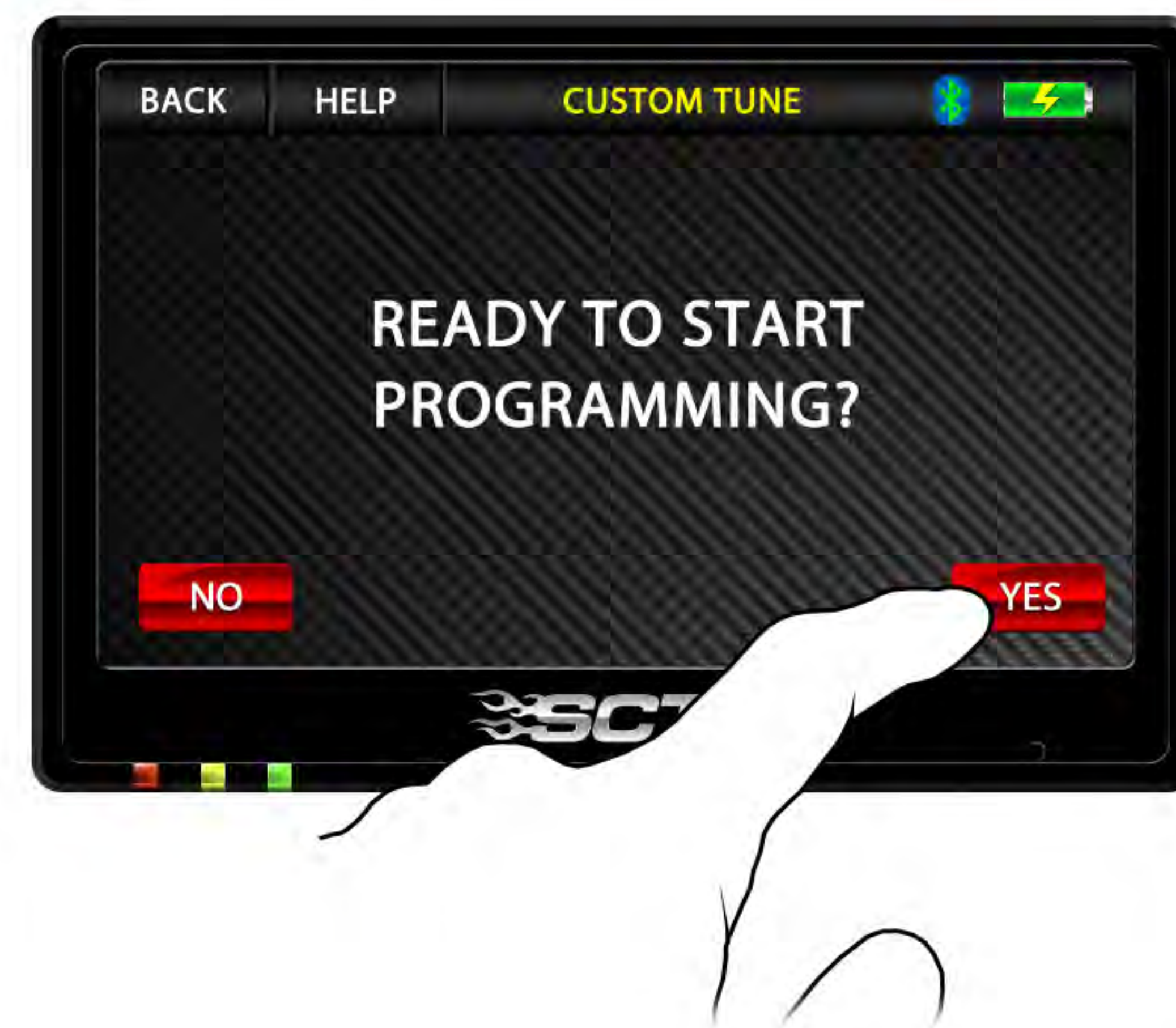


Programming your Vehicle: **Installing a Custom Tune File - Continued**

Step 6: Once you have Skipped or Adjusted the User Adjustable Options, the device is ready to install the selected Custom Tune in your vehicle. When prompted if you are “Ready To Start Programming?”, touch the “Yes” button to continue.

Step 7: The device will prompt you to “Turn the Key On”, but DO NOT START THE ENGINE. Turn the key to the “On” position. The Touch Screen Xtreme will automatically detect the key position being moved to the “On” position and will begin the process of programming the Custom Tune into the vehicle. If this is the first time you are installing a tune file, the Touch Screen Xtreme will create a “Backup” of your stock tune file.

Step 8: Once the stock tune file has been “Backed Up”, the device will apply the User Adjustable Options if selected and install the Custom Tune file into the vehicle. The screen will display a progress bar as the tune is installed and will display the message “Vehicle Programmed Successfully - Turn Key Off” when completed. When this message is displayed, turn the key to the OFF position. The custom tune file is now installed in the vehicle and the process is complete.



Programming your Vehicle: **Returning your Vehicle to Stock**

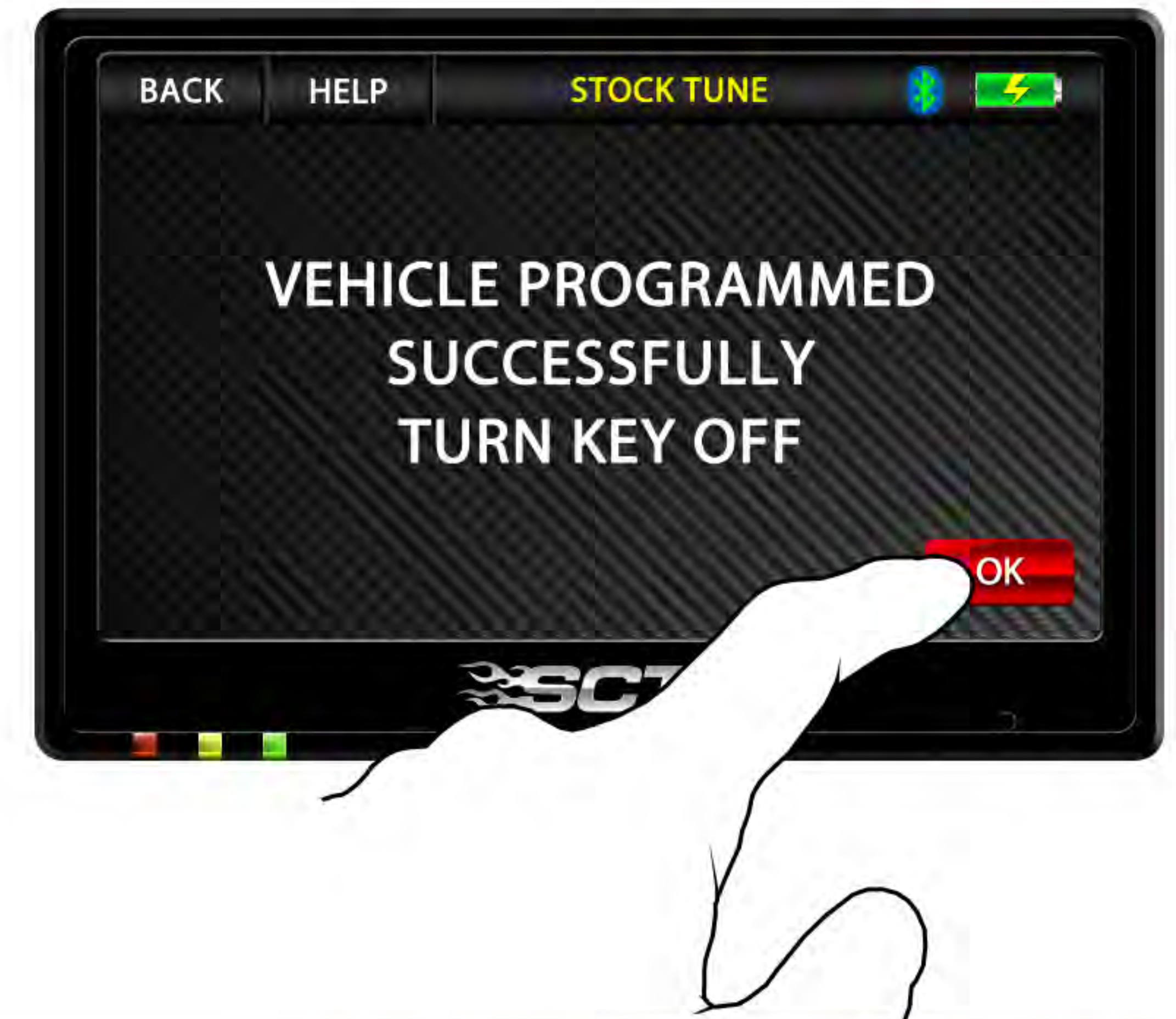
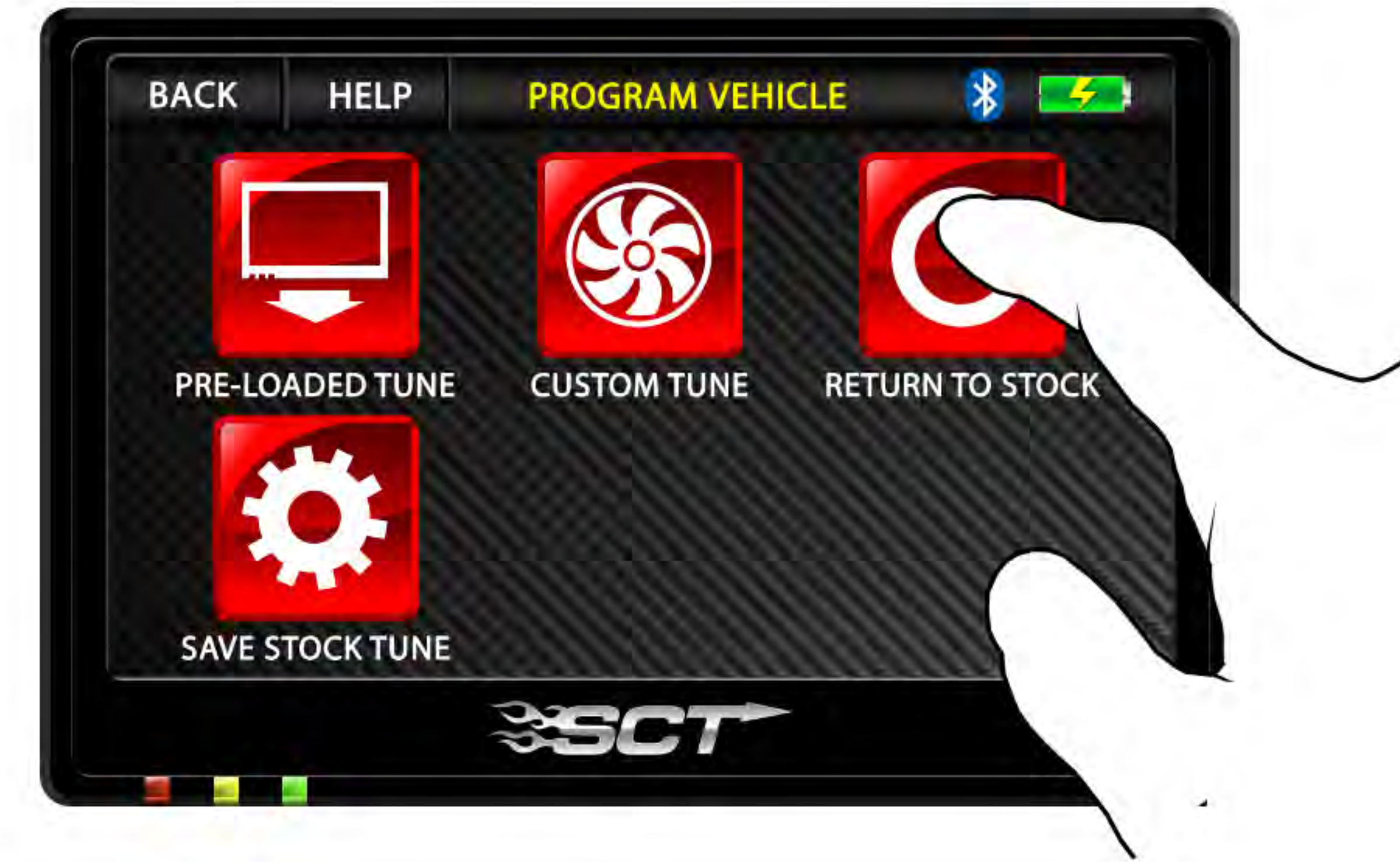
Step 1: From the Main Menu screen, touch the “Program Vehicle” icon. When presented with the Program Vehicle screen, touch the “Return To Stock” icon.

Step 2: When prompted with “Return Vehicle to Stock Tune”, touch the “Yes” button to confirm.

Step 3: The device will prompt you to “Turn the Key On”, but DO NOT START THE ENGINE. Turn the key to the “On” position. The Touch Screen **X**treme will automatically detect the key position being moved to the “On” position and will begin “Setting Up the ECU” to return it to stock.

Step 4: Once the ECU has been “Setup”, the Touch Screen **X**treme will reinstall your factory tune file into the vehicle.

Step 5: The screen will display a progress bar as the factory tune is reinstalled and will display the message “Vehicle Programmed Successfully - Turn Key Off” when completed. When this message is displayed, turn the key to the OFF position and touch the “OK” button. The factory tune file is now reinstalled in the vehicle and the process is complete. Your vehicle’s ECU has been set back to the factory tune configuration.



Data Logging / Monitoring your Vehicle: **Setting Up the Monitor Feature**

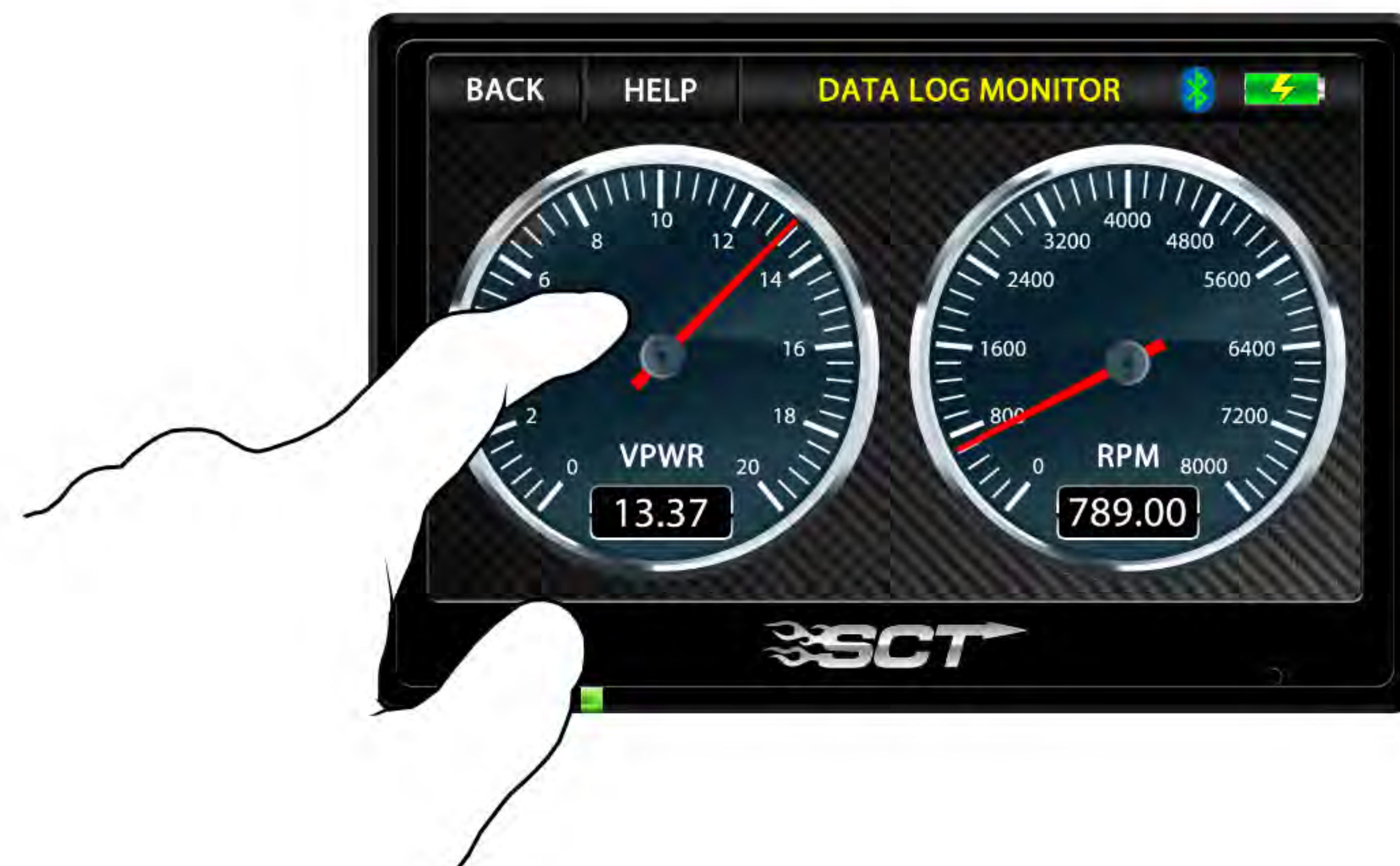
Step 1: From the Main Menu screen, touch the “Data Logging” icon. When presented with the Data Logging screen, touch the “Setup” icon.

Step 2: When prompted with “Setup Data Logging?”, touch the “Yes” button to confirm.

Step 3: The device will display a list of DLX files installed on the device. The DLX files contain common parameters for each specific type of vehicle. Select the DLX file that best matches your vehicle by touching the “Check Box” next to the DLX file name, and touch the “Select” button to continue.

Step 4: When prompted, start the vehicle’s engine and touch the “Next” button to continue. The Touch Screen Xtreme will scan the available vehicle parameters and display the Monitoring Gauge screen.

Step 5: To change the displayed parameter for each gauge, simply touch the individual gauge. The device will display a list of available parameters to monitor. To select a new parameter, use the scroll feature to navigate through the list and simply touch the “Check Box” next to the parameter you wish to monitor. When finished, touch the “OK” button. The parameter you selected will now be displayed on the gauge. Repeat this procedure for the other gauge if required.



Using the Performance Calculator: 1/4 Mile Performance Estimate

The Touch Screen **X**treme features a built-in Performance Calculator that is capable of estimating the 1/4 Mile Performance, 0-60mph Elapsed Time, record the Top Speed of the vehicle and estimate the MPH-Zero braking distance. To estimate your vehicle's 1/4 Mile Performance:

Step 1: From the Main Menu screen, touch the “Data Logging” icon. When presented with the Data Logging menu screen, touch the “Performance” icon followed by the “1/4 Mile” icon.

Step 2: The device will prompt you to “Safely Bring the Vehicle to a Stop”. Once you have safely stopped the vehicle, touch the “Next” button.

Step 3: When you are ready to start the 1/4 Mile Performance test, touch the “Start” button located at the top of the 1/4 Mile Drag Tree.

Step 4: The display will switch to “Staged” and within a few seconds, the amber lights will begin to count down. When the green lights illuminate, accelerate the vehicle. When the vehicle reaches a 1/4 mile, the test will automatically end and display the 1/4 Mile Elapsed Time and Speed. To restart the test, simply touch the “Reset” button at any time.



Using the Performance Calculator: **0-60mph Performance Estimate**

To estimate your vehicle's 0-60mph Performance:

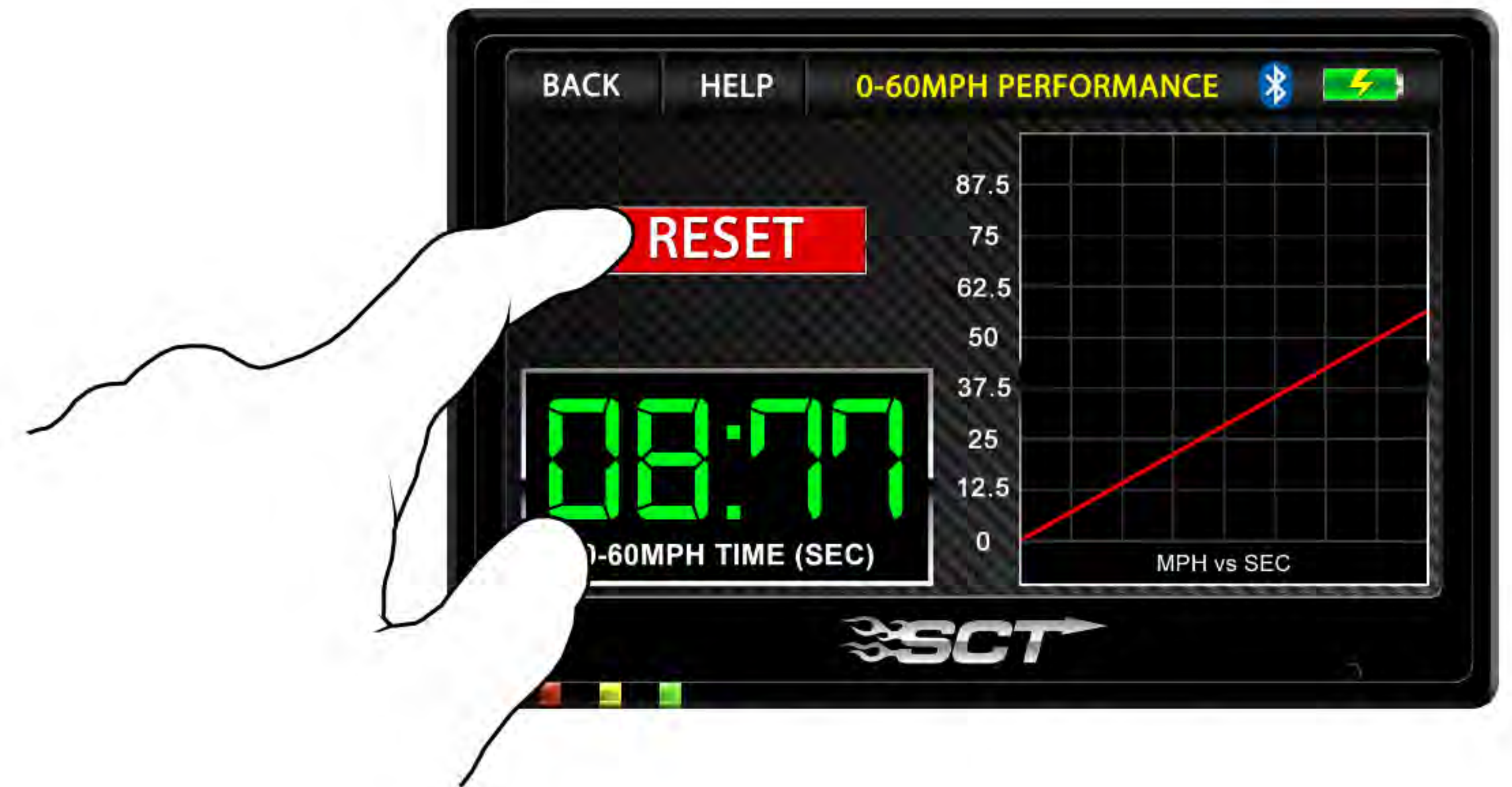
Step 1: From the Main Menu screen, touch the “Data Logging” icon. When presented with the Data Logging menu screen, touch the “Performance” icon followed by the “0-60mph” icon.

Step 2: The device will prompt you to “Safely Bring the Vehicle to a Stop”. Once you have safely stopped the vehicle, touch the “Next” button.

Step 3: When ready to start the 0-60mph Performance test, touch the “Start” button located above the 0-60mph time to start the timer.

Step 4: The timer will begin as soon as the “Start” button is touched. Be ready to accelerate. Once the vehicle has reached 60mph, the test will automatically stop and your 0-60mph Elapsed Time will be shown.

Step 5: To restart the test, simply touch the “Reset” button at any time.



Using the Performance Calculator: **Top Speed Performance Estimate**

To estimate your vehicle's Top Speed Performance:

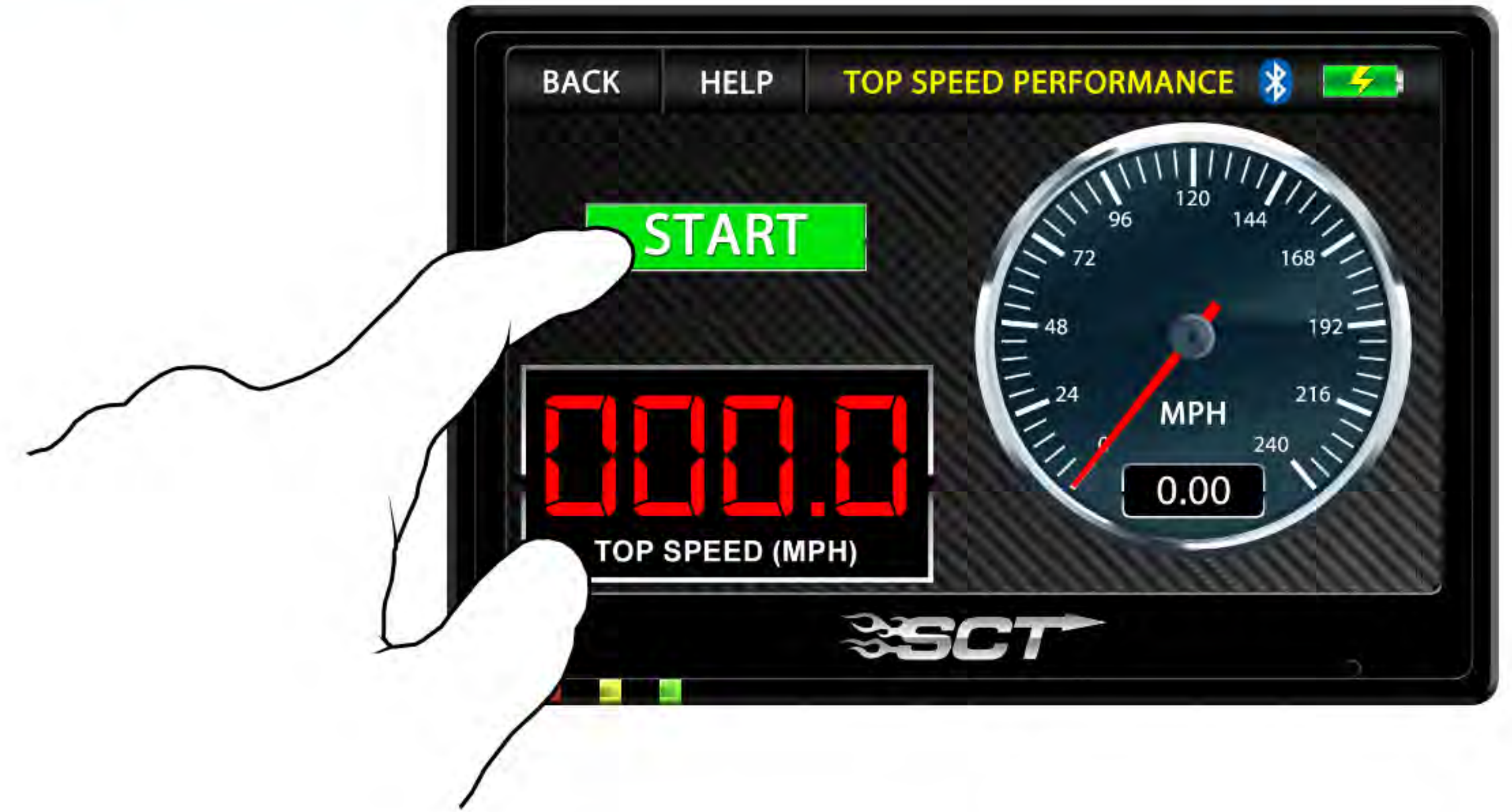
Step 1: From the Main Menu screen, touch the “Data Logging” icon. When presented with the Data Logging menu screen, touch the “Performance” icon followed by the “Top Speed” icon.

Step 2: The device will prompt you to “Safely Bring the Vehicle to a Stop”. Once you have safely stopped the vehicle, touch the “Next” button.

Step 3: When ready to start the Top Speed Performance test, touch the “Start” button located above the Top Speed readout to start the test.

Step 4: The test will begin as soon as the “Start” button is touched. Be ready to accelerate. Once the vehicle has reached the top speed, let off the vehicle's throttle and the top speed of the vehicle will be shown.

Step 5: To restart the test, simply touch the “Reset” button at any time.



Using the Performance Calculator: **Braking Performance Estimate**

To estimate your vehicle's Braking Performance:

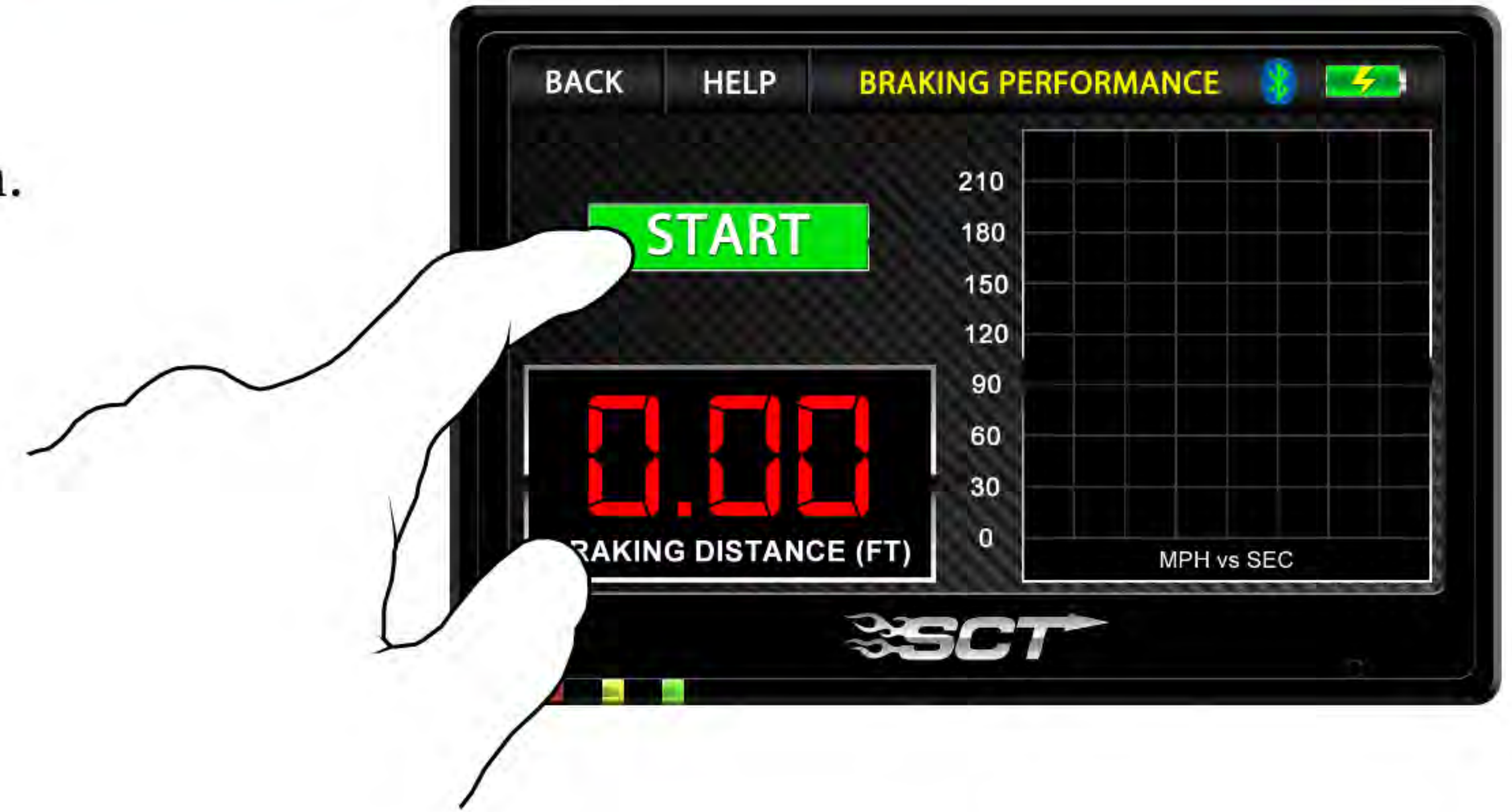
Step 1: From the Main Menu screen, touch the “Data Logging” icon. When presented with the Data Logging menu screen, touch the “Performance” icon and then the “Braking” icon.

Step 2: The device will prompt you to “Start the Engine before Proceeding”. Once you have started the vehicle, accelerate to the speed you wish to test the Braking Performance from, for example, 60mph.

Step 3: When you are ready to start the Braking Performance test, touch the “Start” button located above the Braking Distance readout to start the test.

Step 4: The test will begin as soon as the “Start” button is touched. Be ready to apply the brakes. Once the vehicle has reached a complete stop, the Braking Distance of the vehicle will be shown.

Step 5: To restart the test, simply touch the “Reset” button at any time.



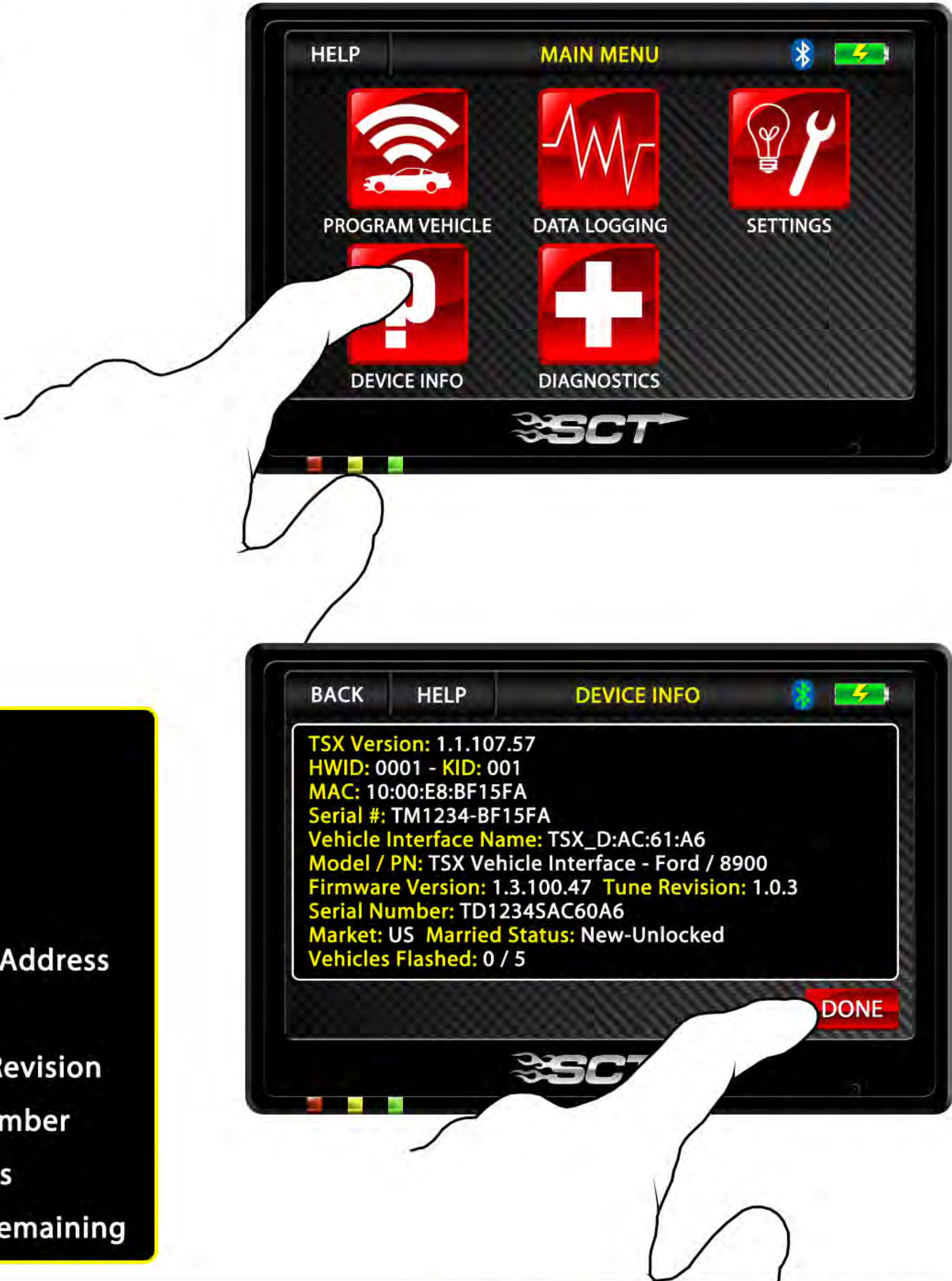
Device Information: Retrieving the Touch Screen Xtreme's Device Information

Device Info Icon: The Device Info icon is used to display the current information about the Touch Screen Xtreme device. This information is important when contacting SCT's Technical Support Department or to find out the current Firmware or Tune Revision of the device. To retrieve the device info:

Step 1: Ensure the wireless adapter is connected to the vehicle's OBD port and the Touch Screen Xtreme has established a wireless connection with the adapter / vehicle.

Step 2: From the Main Menu, touch the "Device Info" icon. When presented with the Device Info screen, touch the "Refresh" button. The Touch Screen Xtreme will connect to the wireless adapter and display the follow information:

TSX Version: 1.1.107.57	←	Device Revision Number
HWID: 0001 - KID: 001	←	Hardware ID & Kernel ID
MAC: 10:00:E8:BF15FA	←	Device Network Address
Serial #: TM1234-BF15FA	←	Device Serial Number
Vehicle Interface Name: TSX_D:AC:61:A6	←	Wireless Adapter Network Address
Model / PN: TSX Vehicle Interface - Ford / 8900	←	Model Part Number
Firmware Version: 1.3.100.47 Tune Revision: 1.0.3	←	Current Firmware & Tune Revision
Serial Number: TD1234SAC60A6	←	Wireless Adapter Serial Number
Market: US Married Status: New-Unlocked	←	Market Info & Device Status
Vehicles Flashed: 0 / 5	←	Vehicle Flashes / Flashes Remaining



Diagnostics: Reading / Clearing Diagnostic Trouble Codes

The Touch Screen Xtreme allows you to Read & Clear diagnostic trouble codes (DTC's) found in your vehicle's PCM. Should a "Check Engine" or "Service Engine Soon" light appear on your dashboard, you can easily read & clear the DTC code(s) using the Touch Screen Xtreme once you have corrected the issue(s) causing the code(s).

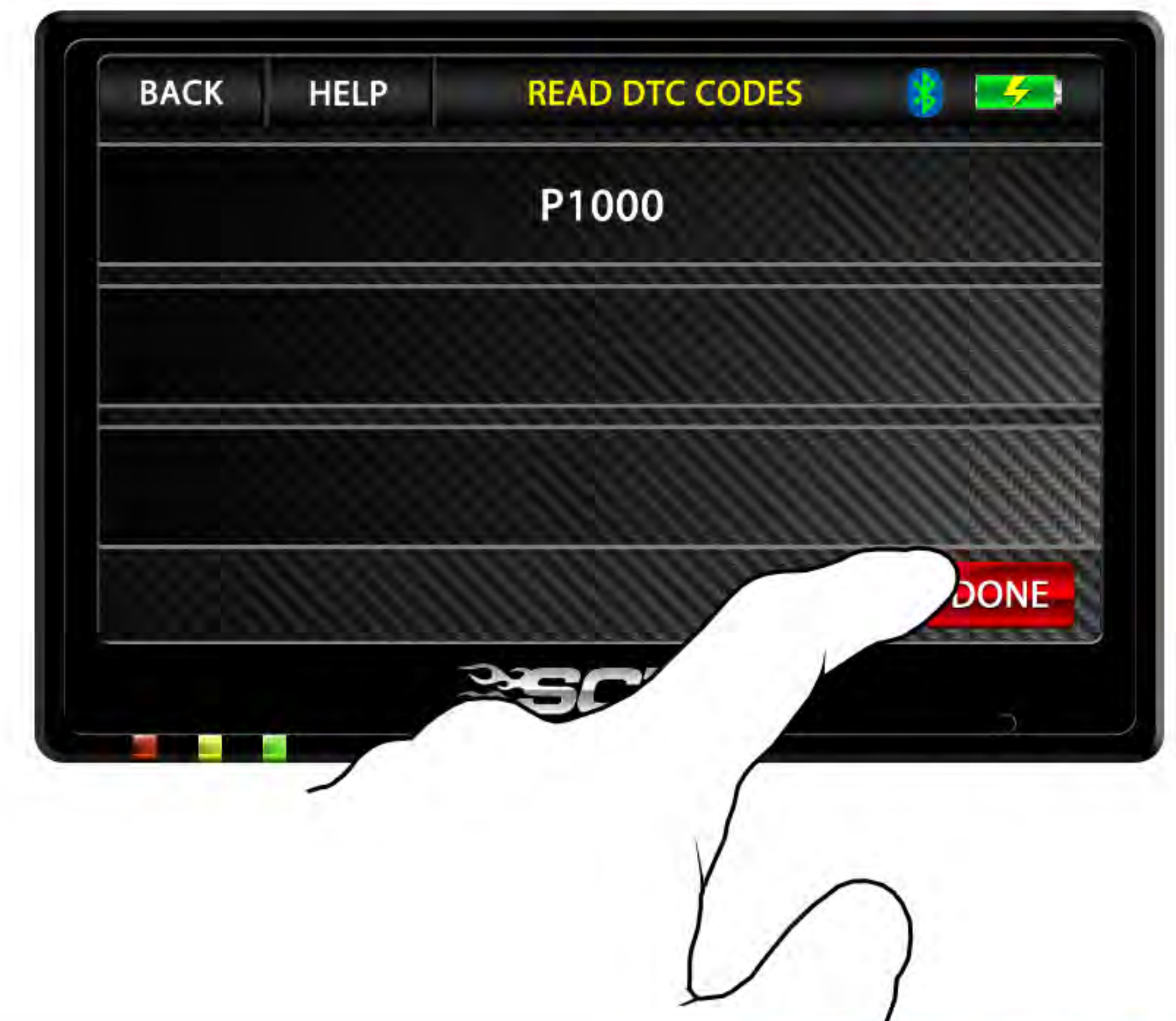
Reading the DTC Code(s):

Step 1: From the Main Menu, touch the "Diagnostics" icon. When presented with the Diagnostics screen, touch the "Read DTC Codes" icon.

Step 2: The device will prompt you to "Turn the Key On", but DO NOT START THE ENGINE. Turn the key to the "On" position. The Touch Screen Xtreme will automatically detect the key position being moved to the "On" position and will attempt to read the DTC codes in the vehicle's PCM.

Step 3: If any code numbers are found, write the DTC codes down and consult with your local garage or dealership to determine the cause of the DTC code(s). Other resources such as www.obd-codes.com may have helpful information as to the cause of the code(s).

Step 4: Touch the "OK" button to continue.



Diagnostics: Reading / Clearing Diagnostic Trouble Codes - Continued

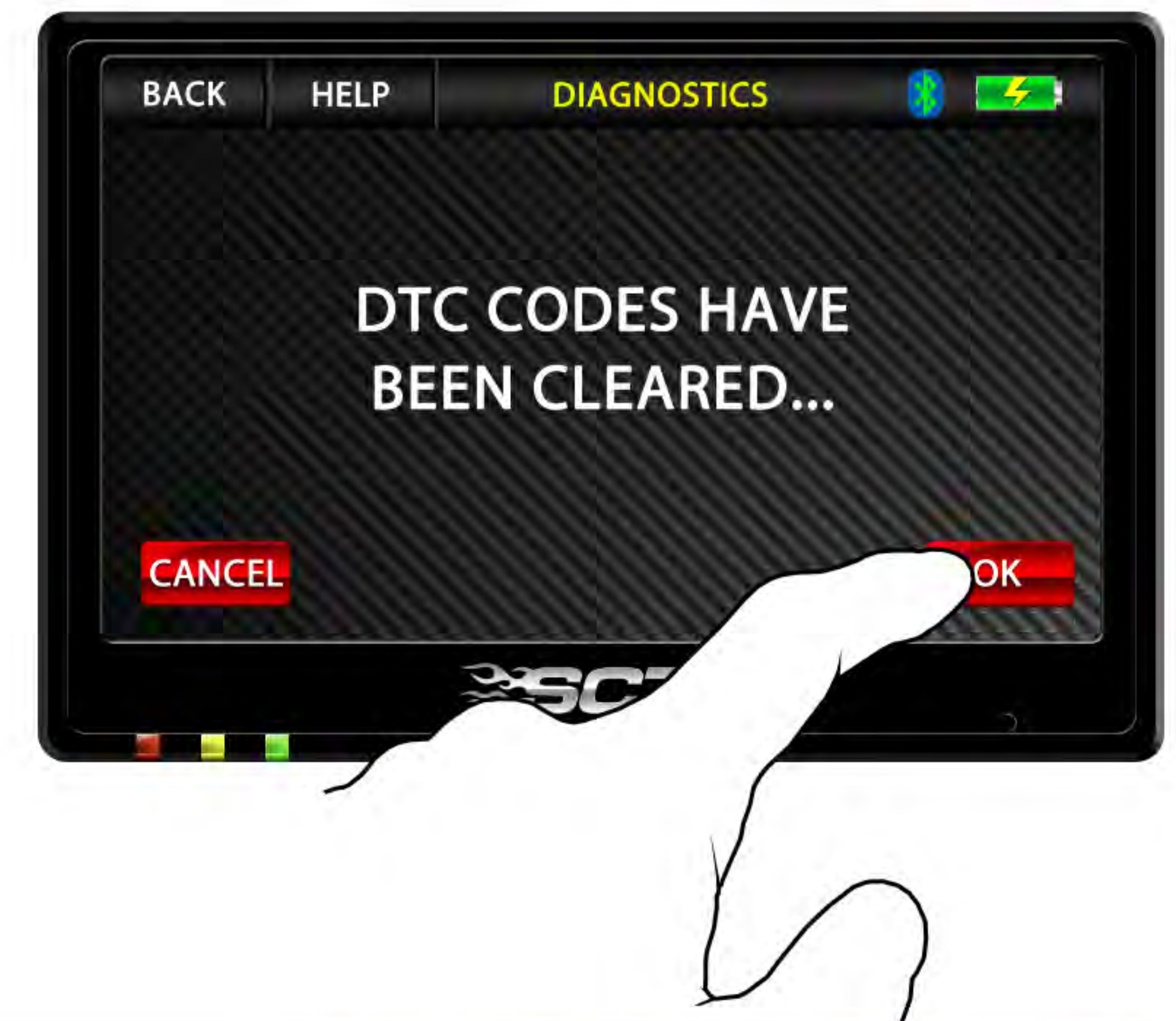
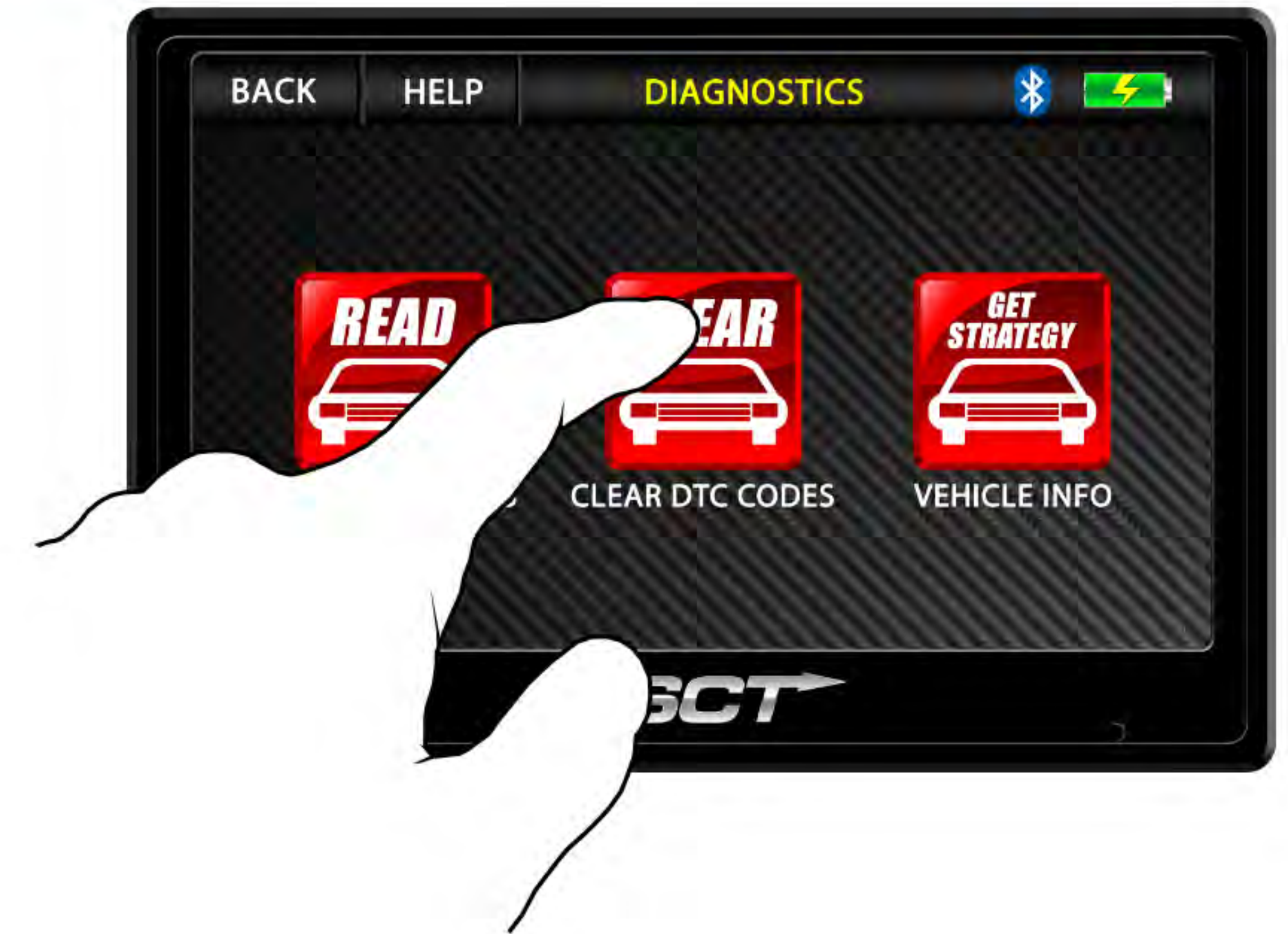
Once the cause of the Diagnostic Trouble Code(s) has been repaired, you can now clear the DTC Codes using the Touch Screen Xtreme.

Clearing the DTC Code(s):

Step 1: From the Main Menu, touch the “Diagnostics” icon. When presented with the Diagnostics screen, touch the “Clear DTC Codes” icon.

Step 2: The device will prompt you to “Turn the Key On”, but DO NOT START THE ENGINE. Turn the key to the “On” position. The Touch Screen Xtreme will automatically detect the key position being moved to the “On” position and will attempt to clear the DTC codes in the vehicle’s PCM.

Step 3: Once the DTC Code(s) have been cleared, a message stating “DTC Codes Have Been Cleared” will be displayed. Touch the “OK” button to return to the Diagnostics Menu.



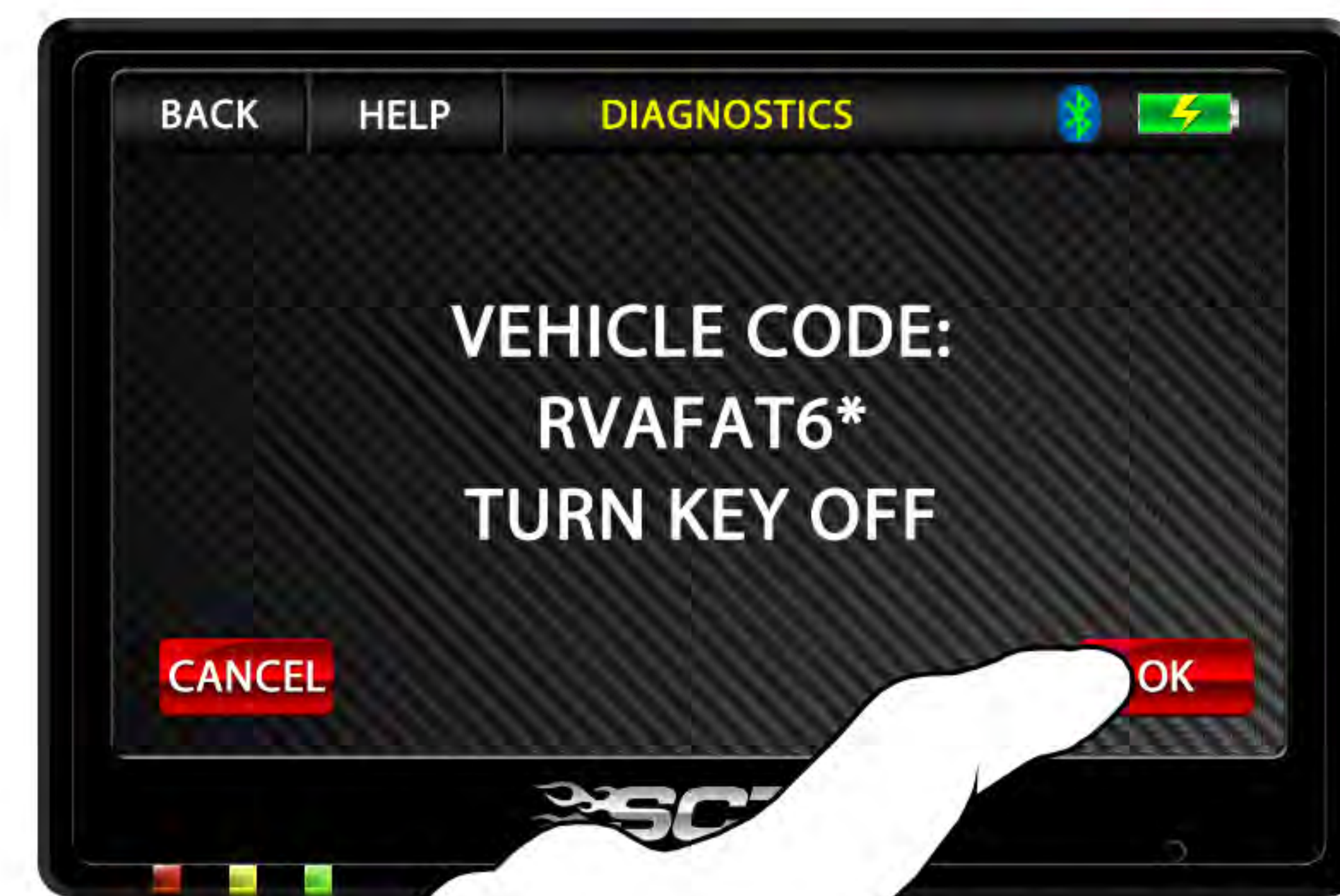
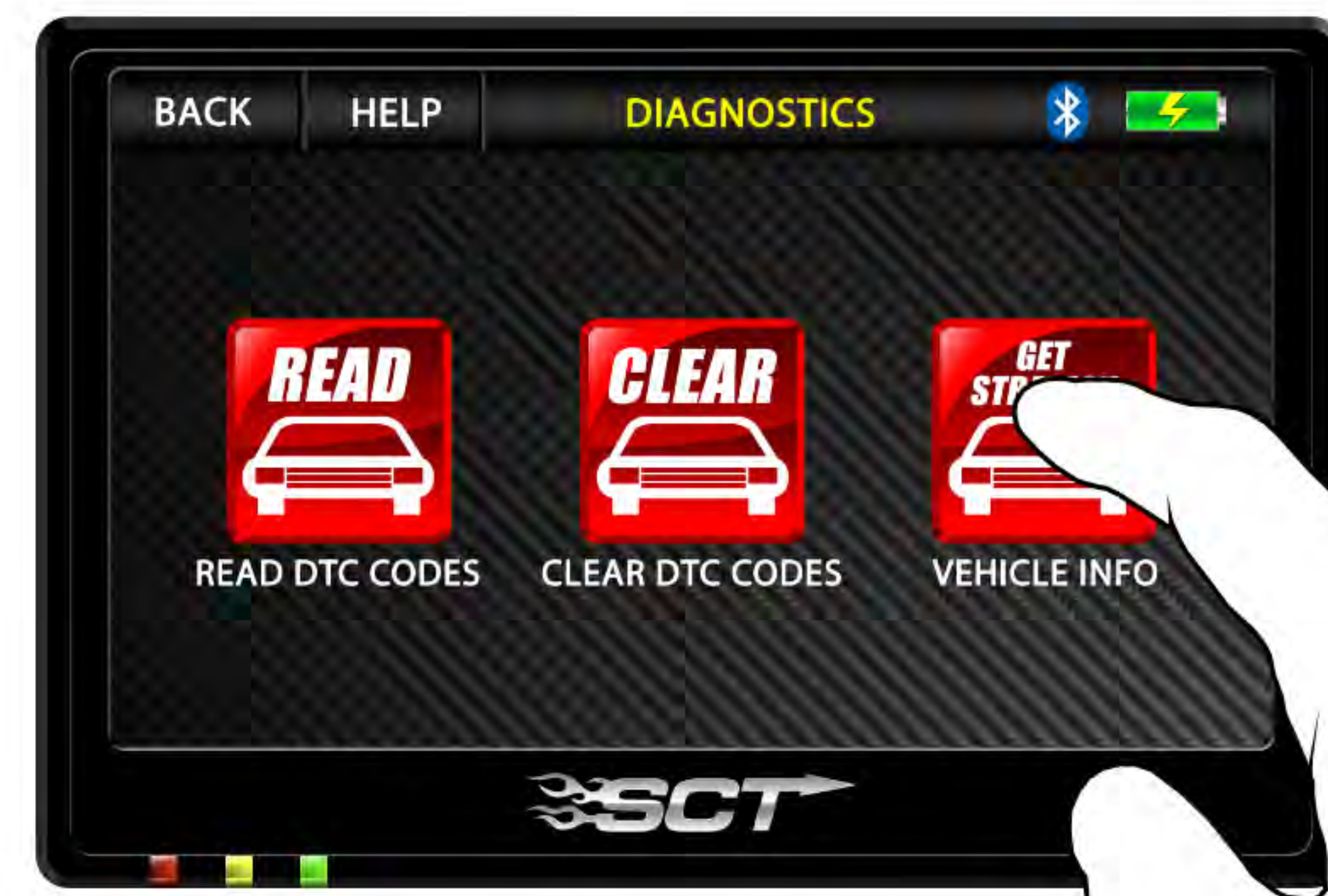
Diagnostics: **Reading the Vehicle's Strategy Code**

Occasionally your Custom Tuning Dealer or SCT's Technical Support Department will request your vehicle's Strategy Code for the purpose of creating a custom tune or to help diagnose an issue with your Touch Screen Xtreme. To retrieve your vehicle's Strategy Code:

Step 1: From the Main Menu, touch the "Diagnostics" icon. When presented with the Diagnostics screen, touch the "Vehicle Info" icon.

Step 2: The device will prompt you to "Turn the Key On", but DO NOT START THE ENGINE. Turn the key to the "On" position. The Touch Screen Xtreme will automatically detect the key position being moved to the "On" position and will attempt to read the vehicle's strategy code from the vehicle's PCM.

Step 3: Once the Strategy Code has been read and displayed on the screen, write down the Strategy Code for future use. When finished, touch the "OK" button to return to the Diagnostics Menu.



Device Settings: **Adjusting the Touch Screen Xtreme's Settings**

Communication: This option is used for establishing a wireless connection with the wireless vehicle adapter. For more information on using this option, visit the “Preparing to Program your Vehicle: Establishing a Wireless Connection” section in this manual.

Display Settings: The Display settings option is used for adjusting the backlighting of the Touch Screen Xtreme's LCD display. To adjust the backlighting of the LCD:

Step 1: From the Main Menu, touch the “Settings” icon. When presented with the Setting screen, touch the “Display” icon.

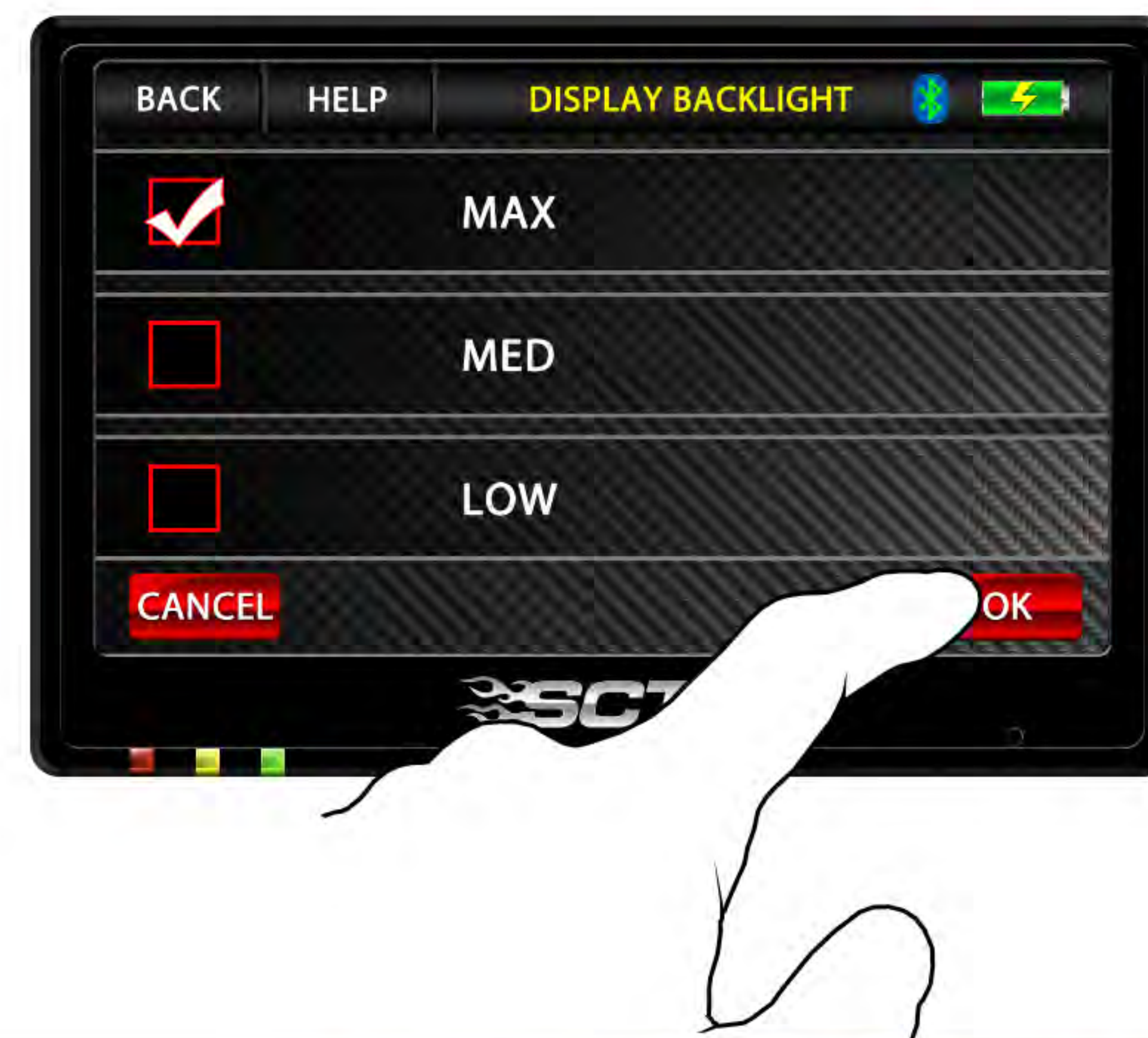
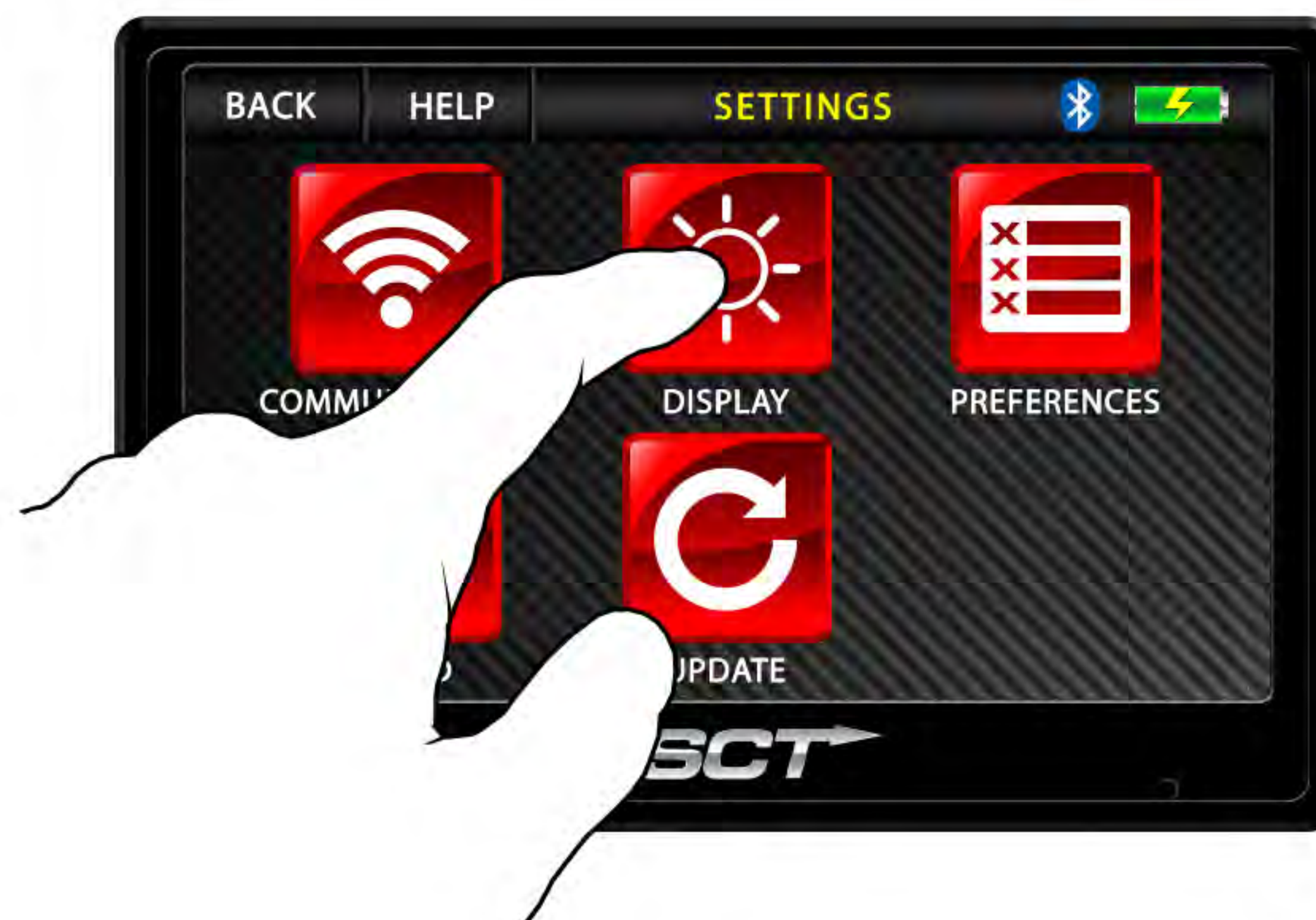
Step 2: To adjust the backlighting of the display, simply touch the “Check Box” next to the backlighting setting you wish to use.

MAX Setting: Adjusts the backlighting of the LCD Display to the maximum brightness.

MED Setting: Adjusts the backlighting of the LCD Display to a medium brightness.

LOW Setting: Adjusts the backlighting of the LCD Display to a low brightness.

Step 3: Once you have selected a setting, touch the “OK” button.



Device Settings: **Adjusting the Touch Screen Xtreme's Settings - Continued**

Reset Bluetooth: This option is used to reset the bluetooth wireless system to the factory defaults. There is no need to use this option unless instructed to do so by SCT's Technical Support Department.

Sound Setting: This option is used to turn the device sound OFF / ON. To adjust this setting:

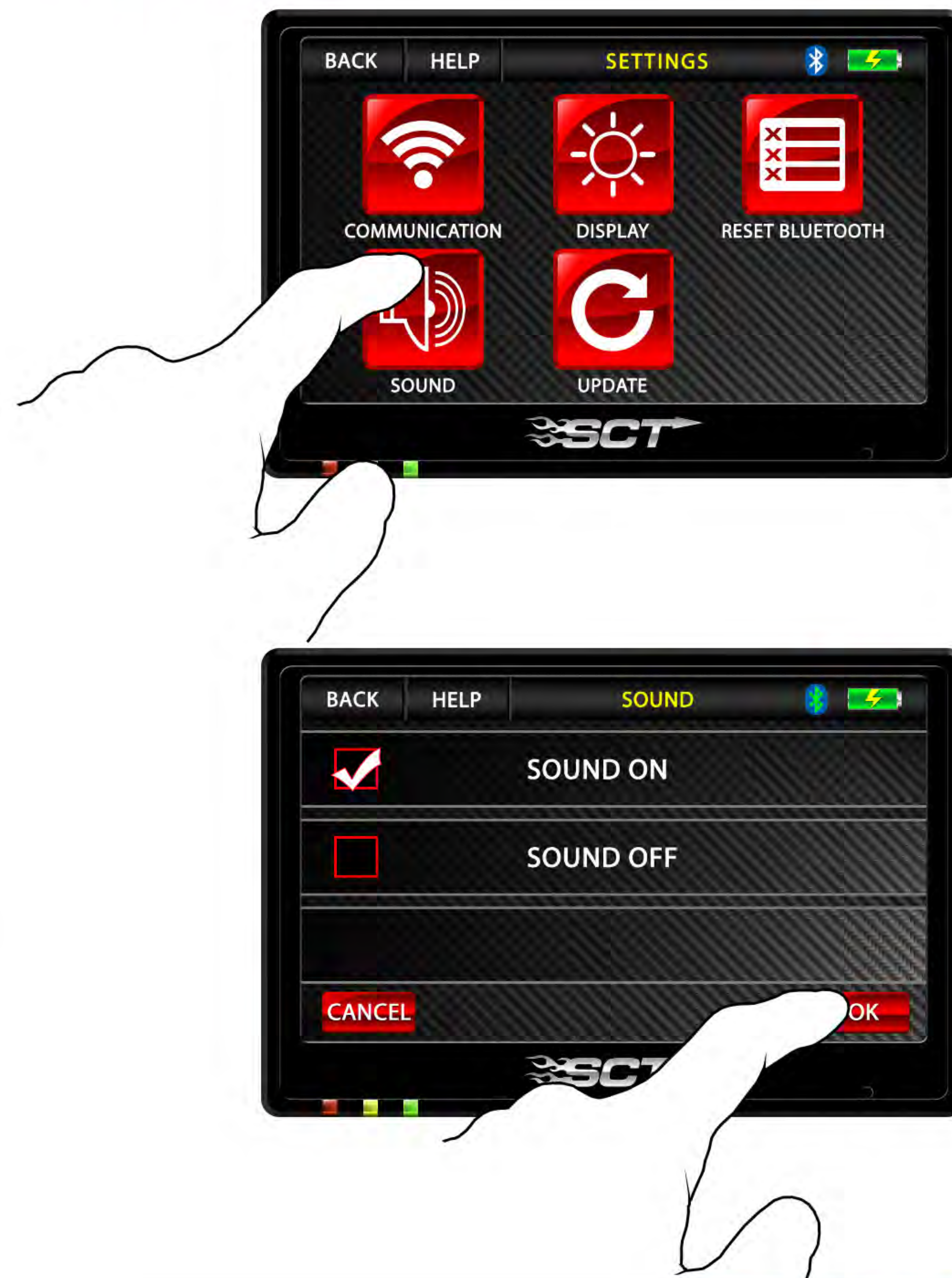
Step 1: From the Main Menu, touch the "Settings" icon. When presented with the Setting screen, touch the "Sound" icon.

Step 2: To turn the device sound OFF / ON, touch the OFF or ON "Check Box" next to the selection.

ON Setting: Turns the device sounds ON.

OFF Setting: Turns the device sounds OFF.

Step 3: Once you have selected the setting, touch the "OK" button. The device sounds will now be OFF or ON based on your selection.



Updating your Device: **Updating your Touch Screen Xtreme**

From time to time SCT will release new revisions of the Touch Screen **Xtreme**'s Firmware & Tune Revision. These releases often resolve minor issues with the device and add support for new vehicles. To update your device you must download the latest Firmware & Tune Revision from the SCT website at www.SCTFLASH.com.

NOTE: Updating your Touch Screen **Xtreme** via the device requires the use of an MMC Memory card & a MMC card writer (not included). These can be purchased at most retail electronics stores.

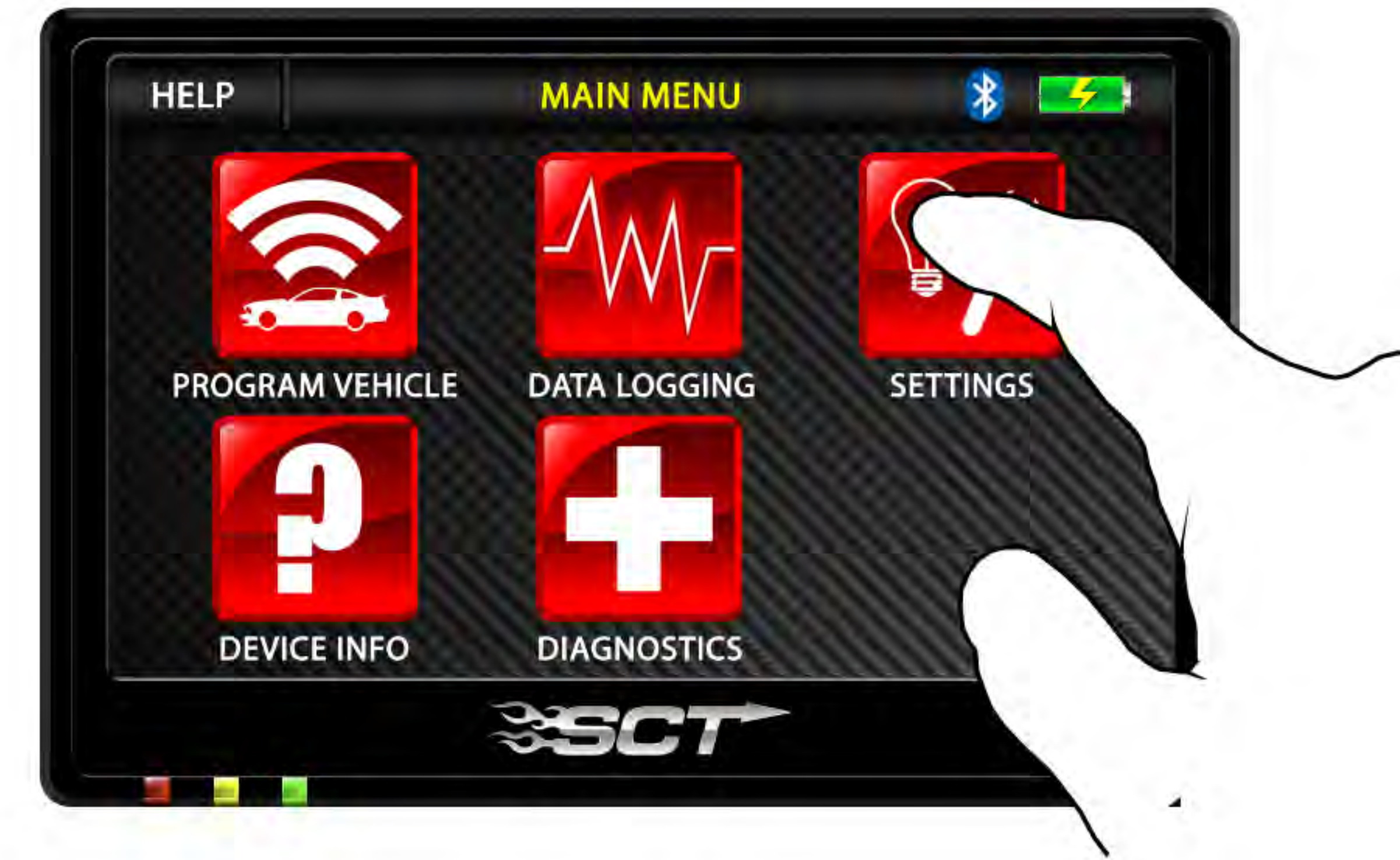
To update your device / wireless adapter using a USB cable connected to your computer, visit www.SCTFLASH.com to download the update software utility and instructions on updating your device using the USB cable.

NOTE: To update the wireless adapter / dongle, it must be connected to the vehicle's diagnostic port.

Updating your device / wireless adapter using an MMC Card:

Step 1: Download the latest Touch Screen **Xtreme** Firmware & Tune Revision from the SCT website at www.SCTFLASH.com.

Step 2: Unpack the files downloaded from the SCT website onto the MMC memory using an MMC card reader / writer.



Updateing your Device: Updating your Touch Screen Xtreme - Continued

Step 3: With the Touch Screen Xtreme device OFF, install the MMC memory card into the right side of the Touch Screen Xtreme. The gold colored connections on the MMC memory card should be facing the front of the device when being inserted. Once inserted, turn the device ON.

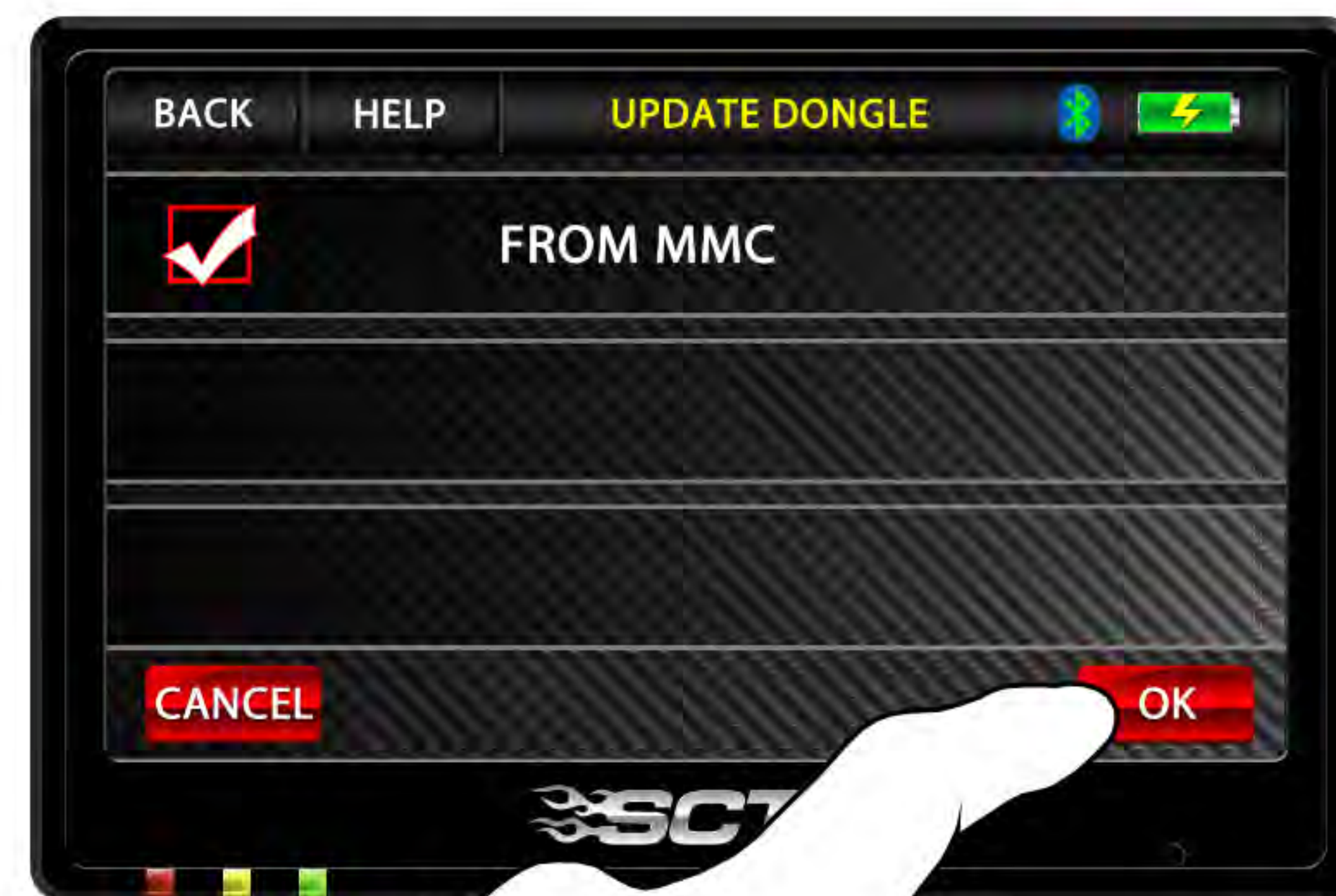
Step 4: From the Main Menu, touch the “Settings” icon. When presented with the Settings screen, touch the “Update” icon.

Step 5: Select the area you wish to update. The procedure for updating the Wireless Adapter / Dongle, Monitor and Tune Revision from the MMC card is the same.

Step 6: Once you have selected the area to update, the device will confirm you wish to update from the MMC card. Touch the “OK” button to continue and follow the on screen prompts to update the device.

NOTE: DO NOT DISCONNECT OR INTERRUPT THE UPDATE PROCESS ONCE STARTED.

Step 7: When completed, the device will inform you the process is complete.



General Information:

Common Questions:

1) I have an aftermarket chip installed in my vehicle, do I need to remove my aftermarket performance chip from the PCM before programming the vehicle?

Yes. You must remove the aftermarket performance chip from your vehicle prior to starting the programming process. Do not reinstall the chip once the vehicle has been programmed using the Touch Screen Xtreme.

2) Can the vehicle be tuned while the engine is running?

No. Attempting to program the vehicle while the engine is running can cause damage to the vehicle / vehicle's PCM and may render the vehicle inoperable.

3) Can I program more than one vehicle using the Touch Screen Xtreme?

No. The Touch Screen Xtreme locks to a single vehicle. You cannot use the device to tune a new or different vehicle UNTIL you have returned the original vehicle back to stock. The Touch Screen Xtreme will only allow you to program 5 different vehicles before the device is permanently locked and must be returned to SCT.

4) I have a supercharger / nitrous oxide on my vehicle, can I use a pre-loaded tune?

No. The pre-loaded tune files within the Touch Screen Xtreme are designed for minor performance modifications such as cold air kits, high flow exhaust systems and other basic modifications. For high horsepower modifications such as superchargers, nitrous oxide or turbo systems, you will need to have your vehicle tuned by an SCT Custom Tuning dealer. The Touch Screen Xtreme stores 3 custom tunes and can still be used to program your vehicle, even with high horsepower modifications. To locate an SCT Custom Tuning Dealer near you, visit our website at www.SCTFLASH.com.

Contacting SCT Performance LLC

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