

INFINITYBOX™ inTOUCH NET Wi-Fi Touch Screen Controller Owner’s Manual and Instruction Guide

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Overview

INFINITYBOX inTOUCH NET brings OEM level touch screen integration to any vehicle whether it is a hot-rod, resto-mod, street-rod or restoration. It gives you the flexibility to control all of the electrical functions in the car with the smart device in your pocket or one mounted on your dash.

inTOUCH NET allows you to control your vehicle through any Wi-Fi enabled device with a web browser. Your device connects to inTOUCH NET through a local Wi-Fi connection so no data plans or cellular subscriptions are required. You are accessing a local website stored in inTOUCH NET so no special software or apps are required to control your car. You can control your car from devices like the iPhone, iPad, Android phones, tablets, Windows devices and BlackBerry's. Your smart device lets you control everything on the car including the lights, ignition and starter. With the inMOTION motor controller, you can control your windows and power locks. With inVIRONMENT, you can control all of the functions of the Vintage Air Gen-IV heating and air conditioning system.

As an added level of integration, inTOUCH NET can be controlled from a select series of automotive head units. From one unit, you can access your media, navigation, back-up camera and your vehicle controls through inTOUCH NET. Contact the INFINITYBOX sales team for a list of compatible head units.

With inTOUCH NET, you now have complete control of your car through any smart device that you own.

Warnings

ANY DISPLAY SCREEN CAN BE DISTRACTING TO THE DRIVER OF ANY VEHICLE. DO NOT USE INFINITYBOX INTOUCH NET IN A WAY THAT WOULD BE UNSAFE TO YOU OR OTHERS ON THE ROAD. YOU ARE RESPONSIBLE FOR UNDERSTANDING LOCAL LAWS REGARDING SCREENS THAT ARE VISIBLE TO THE DRIVER.

INTOUCH NET GIVES YOU THE ABILITY TO START THE CAR REMOTELY FROM A WIRELESS DEVICE. YOU MUST USE A NEUTRAL SAFETY SWITCH OR CLUTCH INTERLOCK SAFETY SWITCH AS AN INPUT TO THE MASTERCELL FOR SAFETY. SEE THE CONFIGURATION SHEET THAT CAME WITH YOUR INFINITYBOX KIT FOR DETAILS. FAILURE TO PROPERLY USE A NEUTRAL SAFETY SWITCH OR A CLUTCH INTERLOCK SAFETY SWITCH COULD RESULT IN STARTING THE VEHICLE WHILE IT IS IN GEAR, THEREBY CAUSING INJURY OR DEATH TO YOU OR BYSTANDERS.

ADDING ANY ELECTRONICS MODULES TO A CAR WILL INCREASE THE DEMAND ON THE BATTERY. CARE MUST BE TAKEN TO MAINTAIN A CHARGE ON THE BATTERY WHEN THE CAR SITS IDLE FOR PERIODS OF TIME. THIS IS ESPECIALLY IMPORTANT WITH GEL-CELL AND AGM BATTERIES. WE RECOMMEND USING THE INFINITYBOX INRESERVE BATTERY MANAGEMENT SYSTEM TO PROTECT YOUR VEHICLE. WE ALSO RECOMMEND KEEPING A TRICKLE CHARGER ON THE BATTERY WHEN THE CAR IS NOT IN USE.

INTOUCH NET WORKS VIA A WI-FI CONNECTION. YOUR SMART DEVICE MUST HAVE GOOD RADIO CONNECTIVITY TO INTOUCH NET FOR PROPER OPERATION. TEST DIFFERENT LOCATIONS IN THE CAR BEFORE FINAL INSTALLATION TO ENSURE PROPER OPERATION. LOCATION IN THE VEHICLE WILL IMPACT THE RANGE OF THE SYSTEM AS WILL METALLIC SOUND DEADENING MATERIALS.



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Kit Includes

- 1- INFINITYBOX™ inTOUCH NET Wi-Fi Control Module
- 4- 22-AWG Butt Splice Terminals
- 4- Pieces of Heat Shrink Tubing
- 1- Instruction Manual

Installation Steps

Locate the inTOUCH NET module in the vehicle

- 1) Make sure that the inTOUCH NET module is not in a completely enclosed location. Your smart device must be able to connect to the inTOUCH NET module through Wi-Fi. Also make sure that you have easy access to the inTOUCH NET. The USB cable coming from the inTOUCH NET module is for uploading custom configurations.
- 2) Mount the inTOUCH NET module using the mounting tabs on the edges of the enclosure. Mounting hardware is not included.

Connect the inTOUCH NET module to the INFINITYBOX CAN CABLE.

- 1) Disconnect power from the INFINITYBOX system at the battery.
- 2) Pick a convenient place in the INFINITYBOX CAN cable to splice into for inTOUCH NET module.
- 3) Remove the convolute looming from the area where you will make the splice.
- 4) Cut and strip the 4 wires in the inTOUCH NET harness.
- 5) Cut each of the black, blue, green and red wires in the CAN harness*. In the case where there are two wires of one color, you only need to cut one wire.
- 6) Strip both ends of the black, blue, green and red wires in the CAN harness.
- 7) Slide the included heat shrink tubing pieces onto each of the CAN cable wires before crimping.
- 8) Crimp the black, blue, green and red wires on the inTOUCH NET harness to their mating color on the CAN harness. Crimp the other end of the mating colors on the CAN harness to the other end of the wire.
- 9) Slide the pieces of heat-shrink tubing over the butt-splices in the harness.
- 10) Use a heat-gun to shrink the tubing over the splices.
- 11) Re-loom the CAN cable.

* Note: Some generations of INFINITYBOX CAN cable may have different wire colors. Please contact INFINITYBOX Power technical support if your wire colors do not match the ones described above.

Connect a power switch to the inTOUCH NET module

- 1) We recommend adding a switch to remove power from the inTOUCH NET module when the vehicle is not in use. This will dramatically reduce the current draw of the system and prolong battery life. Be aware that with the inTOUCH NET module powered off, you will not be able to access functions on the system through smart devices.
- 2) Pick a convenient place in the INFINITYBOX inTOUCH NET cable to splice into for the power switch. (Note that we do not include a power switch with your kit.) Source a single-pole, single-throw (SPST) switch that suits your needs in the car.
- 3) Remove the convolute looming from the area where you will make the splice.
- 4) Break the red power wire in the inTOUCH NET harness and install the switch in series.

Powering Up the System

- 1) Reconnect the battery to the system.
- 2) Wait 5 seconds for the INFINITYBOX system to boot up.
- 3) Check to see if the INFINITYBOX inTOUCH NET module is in system inventory.
 - a. From a MASTERCELL with the inSIGHT LCD
 - i. Press the "HOME" button
 - ii. Press the "SCROLL DOWN" button
 - iii. inTOUCH NET is installed correctly if you see "AF WEB SVR" in the system inventory.
 - iv. Contact Infinitybox technical support if inTOUCH NET does not show up in system inventory.

Connecting to inTOUCH NET

- 1) Allow at least one minute from powering up the system to connect to inTOUCH NET.
- 2) Follow the instructions for your smart device to set up Wi-Fi networks.
- 3) Use the SSID and password provided on the sheet that came with your inTOUCH NET module.

Operating the System

From the browser on your smart device, type in the IP address listed on the configuration sheet that came with your inTOUCH NET module. This will take you to a local website that is hosted from within the inTOUCH NET module.

The tabs on the top of the screen will take you to the different functions of the system. The following figures show example screens for the inTOUCH NET interface. Depending on the options that you have in your system, some of these screens may not be available.

Figure 1: Engine Screen- Ignition & Starter

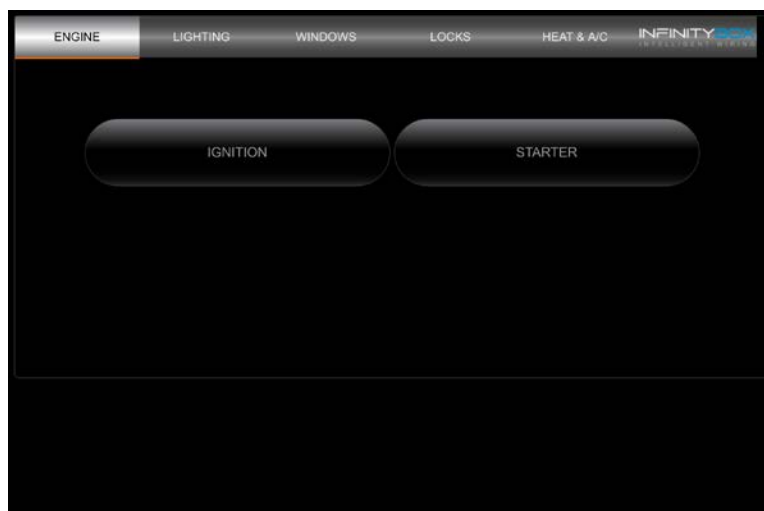


Figure 2: Lighting Screen

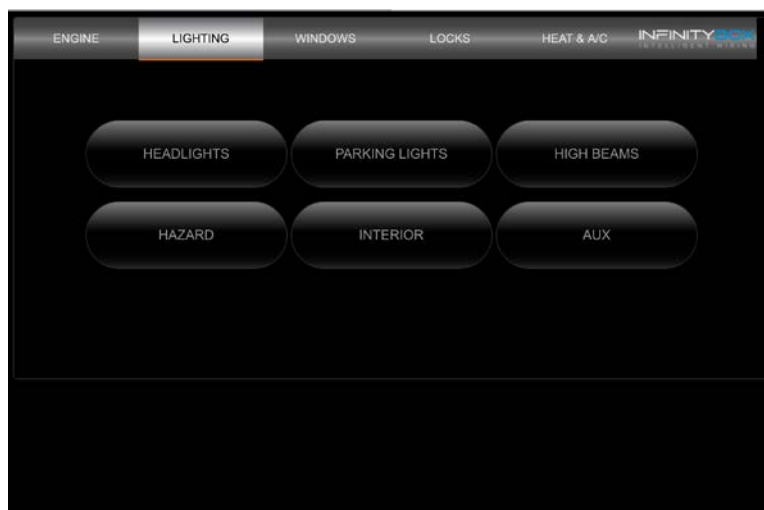


Figure 3: Windows Screen

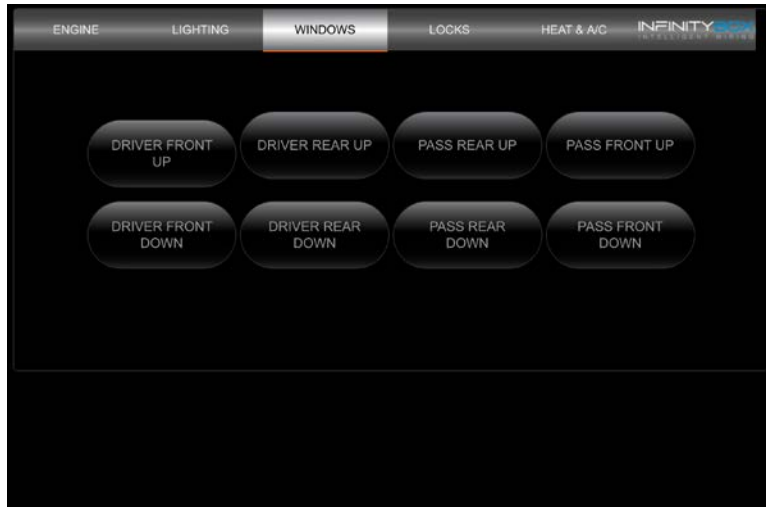


Figure 4: Locks Screen

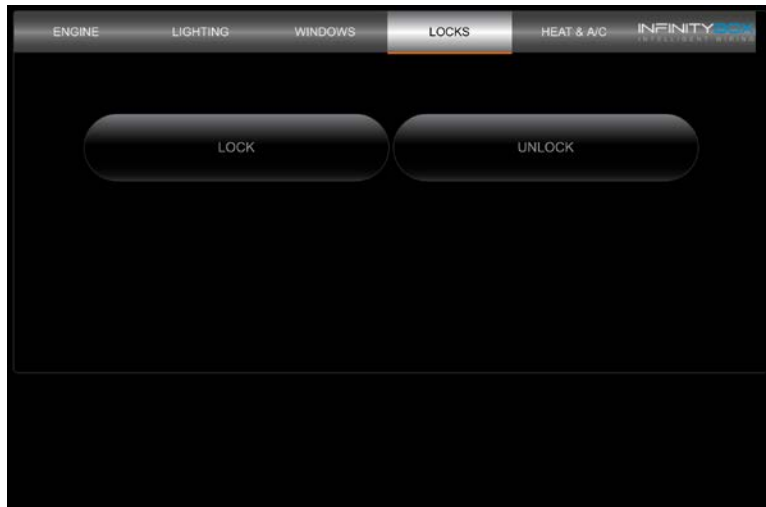
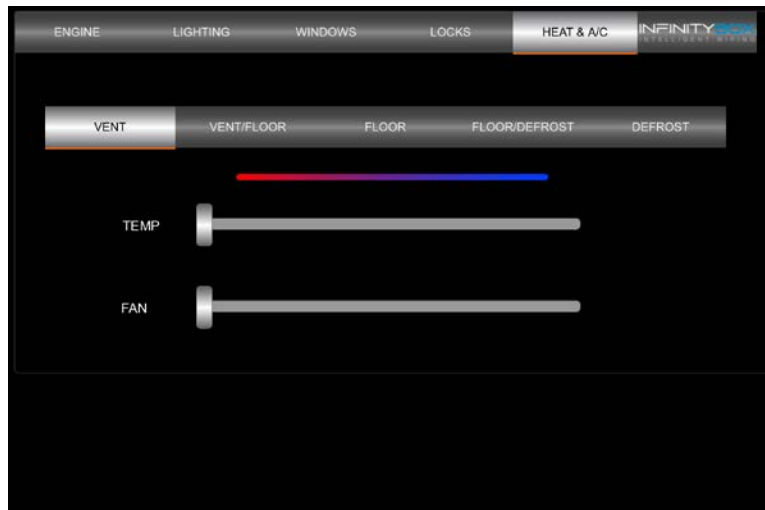




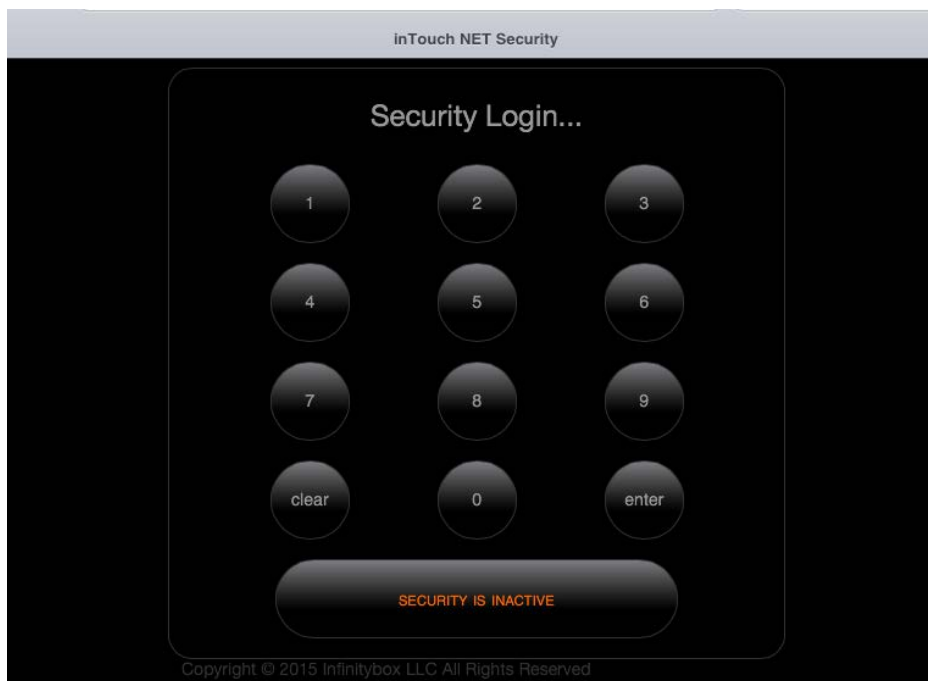
Figure 5: Heat & A/C Screen for Vintage Air Gen-IV



System Security

inTOUCH NET brings immobilization and alarm functions to your car. Figure 6 shows the initial Security Screen that appears when the security is enabled. To disable security, enter the password that is included with the configuration sheet that came with your inTOUCH NET and hit “ENTER”. The box below the keypad indicates the status of INFINITYBOX security.

Figure 6: inTOUCH NET Security Screen



Warranty Information

Warranty for INFINITYBOX™ Intelligent Multiplex System™

Infinitybox, LLC (“Infinitybox”) warrants against any defects in materials and workmanship to the Product’s INFINITYBOX™ modules, wiring harnesses and accessory modules for a period of one (1) year from the first date of purchase. Subject to the terms of this warranty described below, Infinitybox will replace any such defective Product that is returned to Infinitybox within the one (1) year period from initial purchase. Replacement of any defective part or Product will not extend the applicable warranty period.

The warranty does not apply to: (i) any Product that is not installed in compliance with the applicable Product documentation; (ii) any defect in, or failure of, the Product resulting from an accident, shock, negligence, water immersion or misuse; (iii) any Product that has been modified, adjusted, repaired, or disassembled by any party other than Infinitybox; or (iv) any defect other than in materials and workmanship.

This warranty covers only the original purchaser of Product purchased from an Infinitybox authorized dealer in the United States. In order to receive warranty service, purchaser must provide Infinitybox with a copy of the receipt stating the dealer name, product purchased and date of purchase. Products found to be defective during the warranty period will be replaced (with a product deemed to be equivalent or better) at the discretion of Infinitybox.

Infinitybox’s sole liability for any defective Product is limited solely to the replacement of Product pursuant to this warranty. Infinitybox reserves the right to replace any repairable parts with new or refurbished parts.

INFINITYBOX DISCLAIMS ALL OTHER WARRANTIES, WHETHER EXPRESS, IMPLIED OR STATUTORY, SUCH AS WARRANTIES OF MERCHANTABILITY AND FITNESS FOR PURPOSE. IN NO EVENT SHALL INFINITYBOX BE LIABLE FOR ANY PUNITIVE, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES, INCLUDING WITHOUT LIMITATION, LIABILITY FOR LOSS OF USE, LOSS OF PROFITS, LOSS OF PRODUCT OR BUSINESS INTERRUPTION HOWEVER THE SAME MAY BE CAUSED, INCLUDING NEGLIGENCE.



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Contact Information

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