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I Statement

This manual is designed for the use of CANDO products; it cannot be copied or stored in any form (electronic, mechanical, photocopying, recording or otherwise) without prior written permission being secured from

CanDo International, Inc.

- This manual is intended for professional vehicle repair technicians.
- This manual provides the operation methods for CANDO products, and the company accepts no responsibility for the consequences caused by attempting to use the operation methods on other equipment.
- This manual is written in accordance with the

existing configuration and functions of the product, and is subject to change without notice if the product adds new configurations and functions.

If you have any questions, please contact us at:

CanDo International, Inc.

Phone: 1-909-CanDo-11 (226-3611)

Office: 138 E. Lemon Ave., Monrovia, CA 91016

USA

www.candointl.com

II Introduction

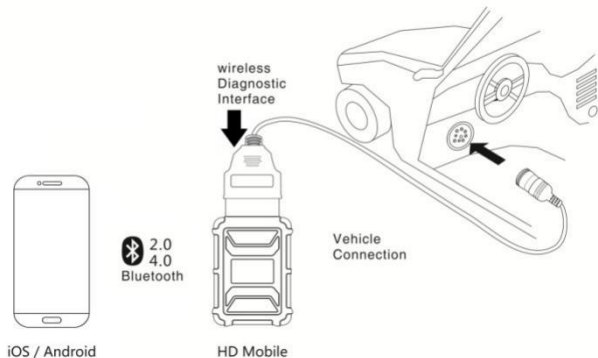
A DPF reset or regeneration will help you from being stuck in limp mode – or worse – stranded on the side of the road! With the HD Mobile, you can be assured

that you will never have to pull over in the middle of nowhere for a supposed drive-ability issue while having to trust a repair facility with “what’s wrong” with your prized investment. The tow and hidden repair charges can be very expensive! The HD Mobile allows you to “know before you go” by displaying diagnostic trouble codes and code definitions for Engine, Brakes and Transmission.

The Wireless Diagnostic Interface is a multi-brand device which comes with the CANDO tool kit. It is designed to connect wirelessly with Android or IOS Smart Devices, as a vehicle communication interface (HD Mobile) for vehicle data transmission. Thanks to the wireless Bluetooth technology, users can work freely around the truck.

This interface device communicates with vehicle's electronic control units (ECUs), guaranteeing performance and speed that redefine multi-brand diagnostics. The development of this interface has been focused on reducing the communication time, and ensuring the tool's practical usage.

CANDO DIAGNOSTIC PLATFORM



The CANDO diagnostic platform combines the HD Mobile device and the display tablet with technical information, ensuring quick and simple access to the vehicle to perform comprehensive diagnostic applications.

2.1 Wireless Communication

The Wireless Diagnostic Interface supports BT communication. It transmits vehicle data to the CANDO Display Tablet or Android & IOS Smart Devices without a physical connection. The working range of the transmitter through BT communication is about 30 feet (about 10 m). A signal lost due to moving out of range will be automatically restored when the display unit is brought closer to the HD Mobile unit.

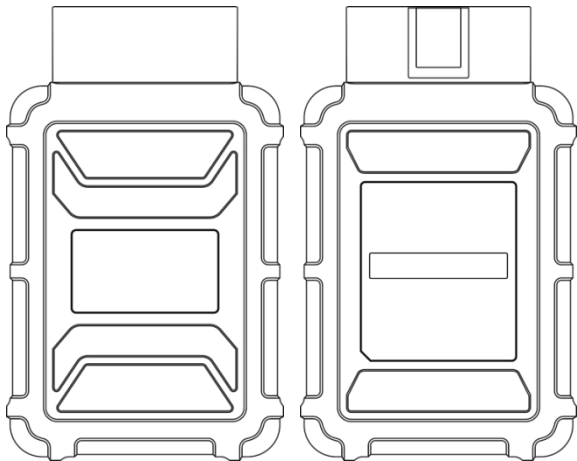
For detailed information about HD Mobile connection with the CANDO display tablet, please refer to the CANDO User Manual.

2.2 Power Source

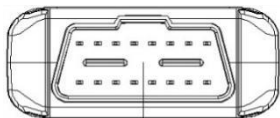
The Wireless Diagnostic Interface operates on 12/24-volt vehicle power, which receives power through the vehicle data connection port. The unit's power is on whenever it is connected to an OBD II/EOBD compliant data link connector (DLC).

III Functional Description

The Wireless Diagnostic Interface device includes the cable and user manual. Please refer to the CANDO User Manual for additional information.



1



2

No.	Name	Description
⊖	LED light	Lights up when connected to vehicle Lights up when connected to tablet PC
⊖	OBDII interface	Connect to Vehicle

Status LEDs

The status LEDs of the HD Mobile device, which indicate the working status as well as the hardware conditions, are very useful for troubleshooting the device's communication or connection to the vehicle, display phone or pad.

Vehicle Data Connector

The vehicle connector connects the device to the vehicle's DLC via a standard DB15 – Pin OBD II cable.

Technical Specifications

Item	Description
Communications	BT V.2.1 + EDR USB 2.0
Processor	Cortex-M3 Microcontroller
Frequency	72MHz
Processor Model	STM32F103CBT6
Flash Memory	128KB
RAM	20KB
Wireless Frequency	2.4 GHz
Input Voltage	8 V-36VDC
Supply Current	500 mA @ 12 VDC
Operating	0°C to 40°C (ambient)
Storage	-20°C to 70°C (ambient)
Bluetooth	Supports Bluetooth 2.0, Bluetooth 4.0

Capabilities

When used in conjunction with the display tablet (smart device), the Wireless Diagnostic Interface device is able to perform the following functions:

- Automatically read and erase the error memory;
- Display system parameters and the status of the ECU;
- Activate, adjust and configure to ensure a complete repair;
- Perform DPF Reset and Regeneration.

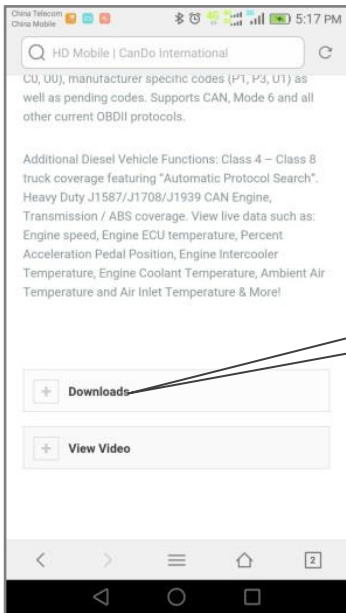
IV Product App download and setup

4.1. App downloads

There are a variety of ways to get the App and the following are a few common methods.

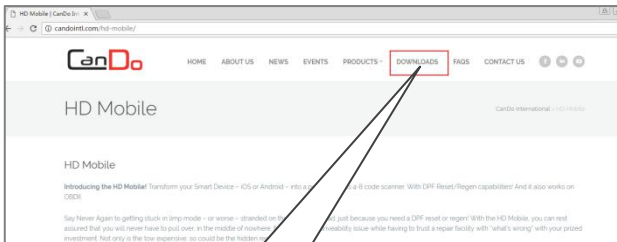
Method 1:

1) Enter the website <http://candointl.com/hd-mobile/>;



Downloads

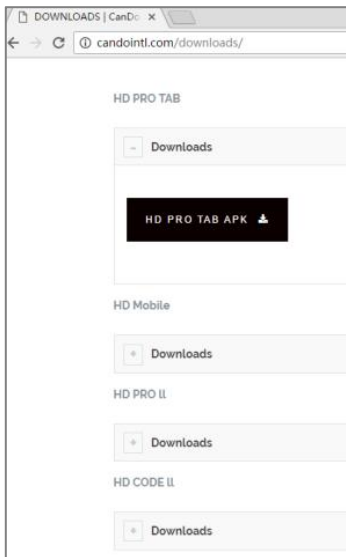
2) Click the DOWNLOADS;



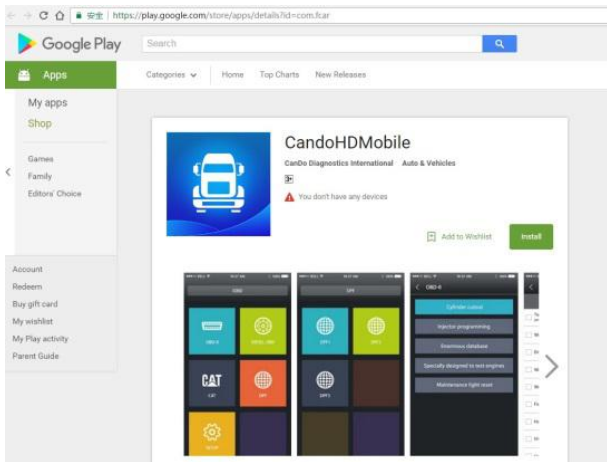
DOWNLOADS

3) Select the correct model and click the APK to

download.



Method 2: Enter the Google play and Search “HD Mobile”; follow the instruction to download the App.



Method 3: Open your App store, search the “Cando” or “HD Mobile”, click “GET” and follow the instruction to

download it.

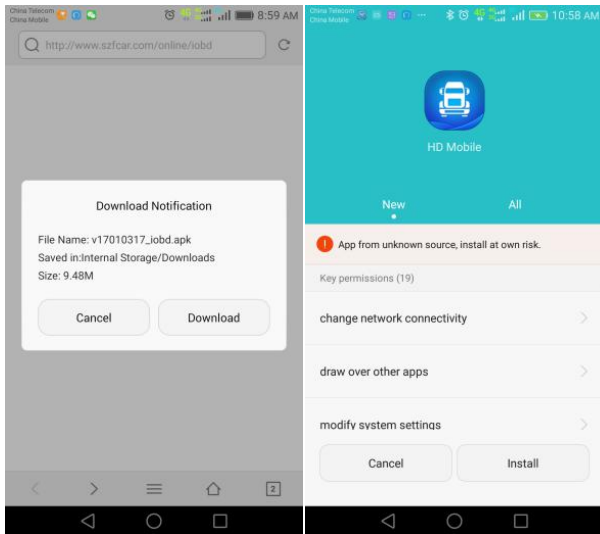


4.2 Install and Setup

4.2.1 Download APP

4.2.2 Install APP

4.2.3 Install OK

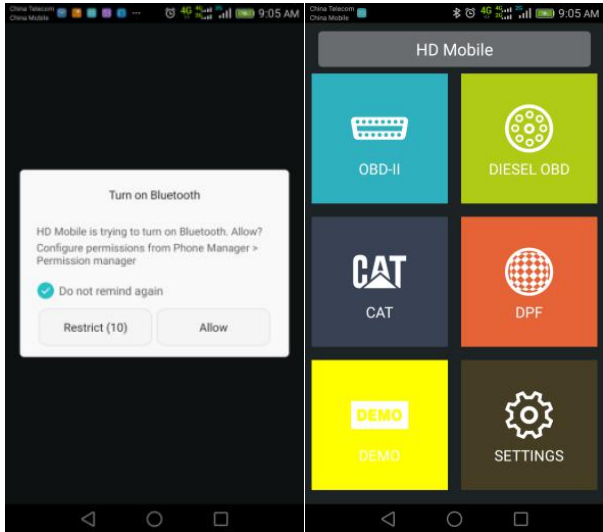


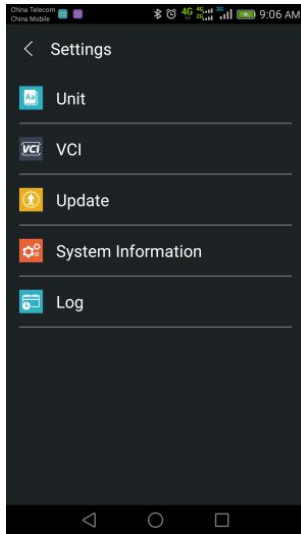


4.2.4 Click HD Mobile icon  to enter system.
4.2.5 Allow the Bluetooth on

4.2.6 Enter the Main interface

4.2.7 Click [SETTINGS] to select Update



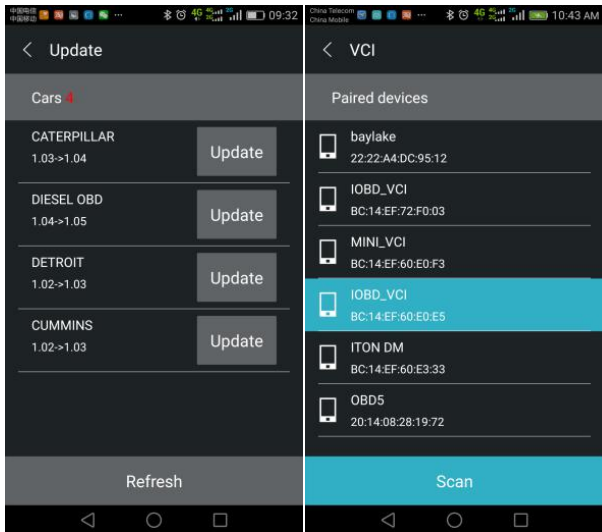


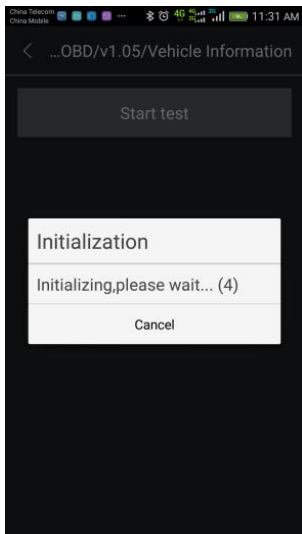
4.2.7 Update all car data, including OBD- II , Diesel OBD, Cat, Detroit, Cummins, Fuso.

4.2.8 Connect the HD Mobile to the vehicle

4.2.9 Click [SETTINGS] to select VCI, link to corresponding device

4.3.1 Click the icon Diesel to diagnose





4.3.2 Application Support

The HD Mobile application supports devices running on the IOS 8.0+ (iPhone 5s, iPhone 6, iPhone 6S, iPhone 7, etc.) and Android 4.4+:

Support Android brand and model list:

Brand	Model	Resolution	Version
SAMSUNG	Galaxy S6	5.1 inch 2560*1440(2K)	5.0
	Galaxy S6 edge	5.1inch 2560*1440(2K)	5.0
	GALAXY S7	5.1inch 2560*1440(2K)	6.0
	GALAXY S7 Edge	5.5inch 2560*1440(2K)	6.0
	GALAXY Note 5	5.7inch 2560*1440(2K)	5.1
LG	V10	5.7inch 2560*1440(2K)	5.1
	G3	5.5inch 2560*1440(2K)	4.4
	G4	5.5inch 2560*1440(2K)	5.1
	G5	5.3inch 2560*1440(2K)	6.0

HTC	One M8	5inch 1920*1080	4.4
	One M9	5inch 1920*1080	5.0
	One A9	5inch 1920*1080	5.0
	10	5.2inch 2560*1440(2K)	6.0
	Xperia Z5	5.2inch 1920*1080	5.1
	Xperia Z5 Premium	5.5inch 3840*2160	5.1
	Xperia XZ	5.2inch 1920x1080	Androi d 6.0
	PRO 6	5.2inch 1920x1080	6.0
Huawei	Mate8	6inch 1920x1080	5.0
ZTE	ZTE-7	5.5inch 2560*1440(2K)	6.0

Google	Nexus 5	4.95inch 1920*1080	4.4
	Nexus 5X	5.2inch 1920*1080	6.0
	Nexus 6	5.96inch 2560*1440(2K)	5.0
	Nexus 6P	5.7inch 2560*1440(2K)	6.0

V Product Troubleshooting

This part describes problems that you may encounter while using the HD Mobile device.

5.1 Vehicle Linking Error

A communication error occurs if the interface device fails to communicate with the vehicle's control

module when performing diagnostic procedures. Please ensure the following conditions:

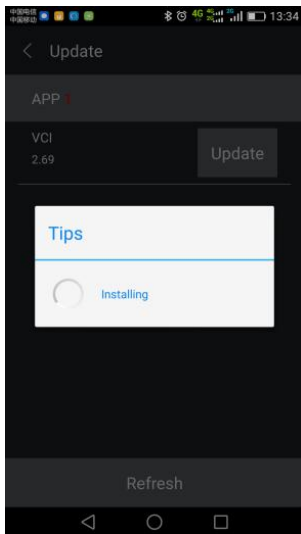
1. Verify that the ignition is ON.
2. Check if the interface device's OBD II connector is securely connected to the vehicle's DLC.
3. Turn the ignition off and wait for about 10 seconds. Turn on the ignition again and continue the operation.
4. Verify the control module is not defective.

If these conditions have been confirmed but connection troubles still exist, please contact technical support for assistance. Refer to the CANDO User Manual for additional information.

5.2 Firmware Update

CANDO periodically releases updates to the device's

drivers. Updates are necessary to solve specific problems and to ensure that the HD Mobile device is working properly with the smart device and phone application. If you are experiencing any problems during usage, always make sure that you have the latest device software and drivers. To update the HD Mobile firmware, make sure the Display device is connected to the HD Mobile device.



VI Compliance Information

FCC COMPLIANCE

FCC ID: 2AKNY-IDMINIVCI

FCC Statement

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, it 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.

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.

SAR tests are conducted using

Standard operating positions are accepted by the FCC with the HD Mobile transmitting at its highest certified power level in all tested frequency bands, although the SAR is determined at the highest certified power level, the actual SAR level of the phone. Operating can be well below the maximum value. In general, the closer you are to a Wireless base station antenna, the lower the power outputs. It must be tested and certified by the FCC that it does not exceed the exposure limit established by the FCC before a new model phone is an available for sale to the public. Tests for each phone are performed in

positions and locations (e.g. at the ear and worn on the body) as required by the FCC.

For body worn operation, this HD Mobile has been tested and meets the FCC RF exposure guidelines. The product is used in conjunction with specified accessories or with metal-free accessories, and the phone is separated from the body at least by 1 cm.

Non-compliance with the above restrictions may result in violation of RF exposure guidelines.

VII Warranty and Service

Limited One Year Warranty

CANDO warrants to its customers that this product will be free from all defects in materials and workmanship for a period of one (1) year from the

date of the original purchase, subject to the following terms and conditions:

- 1) The sole responsibility of CANDO under the Warranty is limited to either the repair or, at the option of CANDO, replacement of the device at no charge with Proof of Purchase.
- 2) This warranty does not apply to damage due to direct or indirect misuse, abuse, negligence or accidents, repairs or alterations outside our Service Center or facilities, criminal activity, improper installation, normal wear and tear, or to lack of maintenance.
- 3) CANDO shall not undertake any responsibility for any incidental or consequential damages caused by the user's misuses, arbitrary changes or repairs, operations of the equipment not in accordance with the manual requirements.
- 4) Some states do not allow limiting the duration of

implied warranties, so the above limitation may not apply to you.

- 5) All information in this manual is based on the latest information available at the time of publication and no warranty can be made for its accuracy or completeness. CANDO reserves the right to make changes at any time without notice.

Service Information

If you have any questions, please contact your local distributor or visit our website at www.candointl.com

If it is necessary to return the tool for repair, please contact your local distributor for more information. Proof of purchase is required, as is an RMA number prior to sending the unit to CanDo.



CanDo

CanDo International, Inc.

Warranty card

Product name	HD Mobile
Product serial number	
Purchase date	

Company name: _____

User address: _____

Contact person: _____

Contact number: _____

