

Federal Communication Commission Interference

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 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.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

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.

This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter.

This Class [B] digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe [B] est conforme à la norme NMB-003 du Canada.

DT391GS

BASIC OPERATION GUIDE

ENGLISH



INTRODUCTION

Thank you for acquiring the latest addition to DT Research's line of GNSS Tablets — the DT391GS. Featuring a slim yet robust enclosure, the DT391GS with 9" TFT display and foldable antenna is powered by the Intel® Celeron® dual-core processor, offering optimal combinations of performance and power savings.

The DT391GS is available with Microsoft® Windows® operating system. Each software operating system features web browser, client/ server computing software, media player, accessories, and applications support.

With its high-accuracy GNSS module, the DT391GS is ideal for mapping, positioning, and many GIS applications.

PACKAGE CONTENTS

- One DT391GS with Battery Pack and Handstrap
- AC-DC Power Adapter with Power Cord
- Basic Operation Guide

OPTIONAL ACCESSORIES

- External Battery Pack
- External Battery Charger Kit

*Please contact your system provider for the built-in GNSS module testing information.

The DT391GS



Input/ Output Ports

A	USB Port
B	USB Port
C	Headphone Jack
D	DC Power Input
E	Micro SD Slot (inside)
F	External GNSS Antenna Interface

Button Functions

BUTTON	ACTION
1	Power Button: Push/release typically enters Standby mode, or Push/release exits Standby mode or restarts tablet (software dependent) Push and hold (over 4 seconds) invokes hardware shutdown

Power/Battery LED Status:

- Blue indicates the battery is 25% to 100% charged
- Blinking blue indicates the battery is charging
- Orange indicates that the battery is between 11% to 25%
- Blinking Orange indicates that the battery is at or below 10%

Precautions

- Always exercise care when operating and handling the DT391GS.
- Do NOT apply excessive pressure to the display screen.
- Avoid prolonged exposure of the display panel to any strong heat source. Wherever possible, the DT391GS should face away from direct light to reduce glare.
- Be careful while adjusting the antenna
- If the AC-DC power adapter is used to recharge or power the tablet, do NOT use any AC-DC adapter other than the one provided or acquired from the manufacturer or its partners.
- In the unlikely event that smoke, abnormal noise, or strange odor is present, immediately power off the DT391GS and disconnect all power sources. Report the problem to your device provider immediately.
- Never attempt to disassemble the DT391GS, as this will void the warranty.

THE DT391GS

Basic Features

The DT391GS wireless tablet integrates a bright display, two USB ports, and embedded networking elements such as wireless LAN and Bluetooth or optional 3G. The DT391GS is complemented by a suite of accessories, including battery expansion, charging cradles, and battery charger kit, for a comprehensive user experience.

A DT391GS typically integrates an 802.11ac wireless LAN (WLAN) adapter that may connect to other wireless devices or access points. If your DT391GS does not come with a network adapter, please consult your device provider to establish the desired network connectivity.

OPERATION

Powering ON and OFF

To activate the DT391GS, push and quickly release the Power Button. The display will come on in a few seconds. To put the DT391GS in Standby mode, push and quickly release the Power Button. To turn the DT391GS off for extended storage, power off safely using any software function that “shuts down computer” provided in the operating system.

NOTE:

The battery packs shipped with your tablet may be low in power—please use the AC-DC adapter with the DT391GS when setting up for the first time to fully charge the internal battery pack.

NOTE:

When the battery pack(s) is (are) charging, the blue-colored Battery LED should blink slowly. If plugging in the AC-DC adapter does not trigger this blinking activity and the LED stays dark, the battery pack(s) may have been drained substantially. Try unplugging/ replugging the AC-DC adapter to the DT391GS a few times to activate the charging process.

NOTE:

To conserve power, use (push and quick release) the Power Button to put the tablet in “Standby” mode while not in use. Pushing briefly on the same button will wake up the system within seconds.

NOTE:

Avoid using the Power Button (“hold 4+ seconds” feature) to turn off the tablet—this form of hardware shutdown is intended to be a means of recovery from lockups, and not as normal operation.

Start Up

If the power up (from Standby or otherwise) is successful, the appropriate interface will be displayed after a launch sequence of several seconds. The wireless LAN connection may take 10-15 seconds to be established.

Configuring the Mobile Tablet

The DT391GS may be configured using the utilities and methods dictated by the software operating system. The DT391GS should be configurable for various properties such as user profiles, network features, and several system elements.

Wireless Networking

Wireless LAN

The DT391GS is often delivered with an embedded (user-inaccessible) 802.11ac WLAN adapter equipped with a hidden custom antenna.

- Through the support of typical WLAN adapters, the DT391GS should be able to detect all 802.11 (802.11ac, 802.11a/b/g/n) access points in the vicinity for you to select the access point of your choice to connect.
- The SSID and authentication/encryption (if enabled) parameters on the DT391GS and the access points have to match. The SSID is case-sensitive and it is recommended that you enable WEP/WPA/WPA2 encryption (or advanced alternatives) for secure access.
- When authentication/encryption is enabled, you may need to consult your network administrator or your networking equipment literature to properly configure associated settings.
- Most authentication (WPA, WPA2, 802.11 (EAP-TLS, TTLS, PEAP, LEAP, EAP-FAST), EAP-SIM, EAP-AKA), authentication protocol (PAP, CHAP, TLS, GTC, NIS-CHAP, MS-CHAP2), and encryption (64-bit and 128-bit WEP, AES-CCMP, TKIP) are supported by the WLAN adapter.
- Refer to the access point operating manuals for setting up the 802.11 access points.

Bluetooth

The Bluetooth configuration application is enabled from the System Tray or from the **Windows Mobility Center**. Follow the instructions and options provided within the application to configure and invoke Bluetooth connectivity with the corresponding peripherals.

USING THE MOBILE TABLET

Peripherals Support

Through its USB ports, the DT391GS supports a wide range of USB-based peripherals. These peripherals are applicable for software installation, applications storage, data storage, and system software recovery and updates.

Remote Management

Depending on software configuration, the DT391GS can be centrally managed for asset monitoring and for software control. Please consult your device provider.

Insert the Micro SD and SIM Cards

1. Remove the battery pack, and then unscrew the four screws from the cap (Image 1).
2. Remove the cap, you will see the Micro SD and SIM Card slots (Image 2). Insert the Micro SD and SIM cards properly.



(Image 1)



(Image 2)

NOTE

The 3G module is optional on the DT391 series. The SIM card slot will be functional only with the 3G module option installed.

For More Support

Users can download the Tablet Modules Basic Operation Guides from the DT Research website.



To Hold the Tablet

Left hand: grip the left back side of the tablet with your left hand four index fingers, with thumb resting on the top of the back side of the tablet and palm securely against the back.

Right hand: grip the right back side of the tablet with your right hand four index fingers, with thumb resting on the top of the back side of the tablet and palm securely against the back.