

# DT Research Rugged Tablet



## BASIC OPERATION GUIDE

# DT382GL

### INTRODUCTION

The DT Research DT382GL Rugged Tablet features the integration of a high brightness 8" capacitive touch screen and a high performance yet energy efficient processor within a slim, lightweight, durable package. With built-in Wi-Fi and a smart card reader as well as options for back camera, barcode scanner, GNSS, this robust tablet offers seamless information capture and transmission for improved workflow. Rated IP65 and MIL-STD-810G, the DT382GL Rugged Tablet provides reliable operation in harsh, mission-critical environments.

### PACKAGE CONTENTS

- One DT382GL
- One Battery Pack and Handstrap
- AC-DC Power Adapter
- Basic Operation Guide

\* The actual package contents may vary depending on the configuration acquired.  
This is a generic version of the manual;

## The DT382GL



### Input/Output Ports

- A** USB Type-C Port (power input)
- B** Audio Jack
- C** USB Port

### Data Capture Modules

- D** Smart Card Reader
- E** Barcode Scanner (optional)
- Back Camera (optional)

### Button Functions

BUTTON	ACTION
<b>1</b>	Power Button
<b>2</b>	Windows Key Button
<b>3</b>	Programmable Buttons
<b>4</b>	Brightness Control Buttons
<b>5</b>	RFID Reader Trigger Button/ Programmable Button
<b>6</b>	Barcode Scanner Trigger Button/ Programmable Button

## PRECAUTIONS

- Always exercise care when operating and handling the DT382GL
- Do not disassemble any portion of the DT382GL, as this will void any product warranty.
- Do not use any power adapter or charging cradle other than the one provided with the tablet or acquired from the manufacturer or its partners.
- In the unlikely event that abnormal noise, strange odor, or smoke is present, immediately power down the DT382GL and disconnect all power sources. Please report the problem to your device provider immediately.

## OPERATION

### Powering ON and OFF

To activate DT382GL, push and quickly release the Power Button. The display will come on in a few seconds. To put the DT382GL in standby mode, push and quickly release the Power Button. To turn the DT382GL off for extended storage, power off safely using any software function that “shuts down computer” provided in the software operating system.

#### NOTE:

The battery packs shipped with your tablet may be low in power - please use the AC-DC adapter with the DT382GL when setting up for the first time to fully charge the battery pack.

#### NOTE:

To conserve power, push and quick release the Power Button to make the tablet in standby mode while not in use. Pushing briefly on the same button will wake up the system.

#### NOTE:

When the battery pack is 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. Unplug/replug the AC-DC adapter to the DT382GL a few times to activate the charging process.

#### 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.

If the power up (from Standby mode 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.

## Wireless Networking

### Wireless LAN

The DT382GL is often delivered with an embedded (user-inaccessible) 802.11ac LAN adapter equipped with a hidden custom antenna.

- Through the support of typical WLAN adapters, the DT382GL should be able to detect all 802.11 access points in the vicinity for you to select the access point of your choice for connection.
- The SSID and WEP/WPA/WPA2 (if enabled) parameters on the DT382GL 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 WEP/WPA/WPA2 is enabled, you may need to consult your network administrator or your networking equipment literature to properly configure associated settings such as Authentication mode, etc.
- Refer to the access point operating manuals for setting up the 802.11 access points.

### Bluetooth

The DT382GL offers the Bluetooth module which supports Bluetooth 5.0 standard including Bluetooth 3.0 High Speed and Bluetooth 4.0 Low Energy, which delivers faster speeds with low power consumption.

## Data Capture Module Operation Guide

If your DT382GL comes with an RFID Reader refer to the steps below to configure the settings.

### UHF RFID Reader:

The optional UHF RFID reader supports EPC Gen2V2 and ISO 18000-63 standard. To develop an application to use the UHF RFID reader, contact your device provider for a UHF RFID reader API package

#### NOTE:

To ensure the system performance, turn on only the symbologies you are going to use.

## For More Support

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

The optional pole/vehicle mount cradle can be used to secure a DT382GL tablet in a vehicle or forklift for easy and stable operation.

## Installation

The DT382GL rugged tablet is a purpose-built stationary tablet to be installed on a pole/vehicle mount cradle with a stand to provide enhanced mobility and user experience. The DT382GL rugged tablet is designed to serve as a floor control unit to work with the user's advanced security screening system. The hot-swappable battery design allows the control units to be installed virtually anywhere while eliminating the hassles and need for power outlets and network cabling. The use of a battery power tablet allows the customer's advanced screening systems to be installed in a specific venues while providing extended working time for enhanced productivity, which in turn reduces system downtimes for optimised user experience when going through security checkpoints.

The 8" display provides clear information for security staff to effortlessly monitor the screening systems, while the pole/vehicle mount cradle provides stable operation for a higher level of safety while being used on site while eliminating the risk of accidental removal or theft.

To mount a DT382GL tablet onto the pole/vehicle mount cradle:

### Step 1.

Place the DT382G tablet beside the pole/vehicle mount cradle.

### Step 2.

Pull the upper clamp of the pole/vehicle mount cradle to widen the space for mounting the tablet.

### Step 3.

Place the DT382GL tablet in the mounting space of the pole/ vehicle mount cradle.

### Step 4.

Release the upper clamp to secure the tablet in place.



Note: Due to the size and weight, DT382GL needs to be installed on cradle with stand to work as floor control unit. Do not use DT382GL while holding it by hand. Shutdown DT382GL between each usage or when moving the control stand to prevent any risk of damage.

## RF Exposure Information (RED & UKCA)

To be protected against all verified adverse effects, the separation distance of at least 200mm must be maintained between the antenna of the radio having max. 10dBi antenna and all persons.

Hereby, [DT Research, Inc.] declares that the radio equipment type [DT382GL] is in compliance with Directive 2014/53/EU and UK Radio Equipment Regulations 2017. The full text of the EU and UK declaration of conformity is available at the following internet address: <http://www.dtresearch.com>.

The functions of Wireless Access Systems including Radio Local Area Networks(WAS/RLANs) within the band 5150-5350 MHz for this device are restricted to indoor use only within all European Union countries (BE/BG/CZ/DK/DE/EE/IE/EL/ES/FR/HR/ IT/CY/LV/LT/LU/HU/MT/NL/AT/PL/PT/RO/SI/SK/FI/SE/TR/NO/CH/IS/LI/UK(NI)).  
Maximum EIRP for EU

Bluetooth:2402MHz-2480MHz	17.49dBm
Bluetooth LE:2402MHz-2480MHz	8.87dBm
Wifi: 2412MHz-2472MHz/2422MHz-2462MHz	18.76dBm
Wifi: 5150MHz-5725MHz	18.47dBm
Wifi: 5725MHz-5875MHz	13.81dBm
LTE Band 1: 1920-1980MHz/2110-2170MHz	24dBm
LTE Band 3: 1710-1785MHz/1805-1880MHz	24dBm
LTE Band 7: 2500-2570MHz/2620-2690MHz	23dBm
LTE Band 8: 880-915MHz/925-960MHz	24dBm
LTE Band 20: 832-862MHz/791-821MHz	24dBm
LTE Band 28: 703-748MHz/758-803MHz	24dBm

This equipment complies with Directive 2014/53/EU and UK Radio Equipment Regulations 2017 radiation exposure limits set forth for an uncontrolled environment. End user must follow the specific operating instructions for satisfying RF exposure compliance. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

The portable device is designed to meet the requirements for exposure to radio waves established by European Union market(France). These requirements set a SAR limit of 2W/kg averaged over 10 gram of tissue. The highest SAR value 1.921 W/kg reported under this standard during product certification for use when properly worn on the body.


The equipment has been tested with radios set to their highest transmission levels with following setup:



Mode	use against the head	worn or carried against the torso of the body	Worn on limbs
Separation	/	0 mm	/
SAR Value	/	1.921 W/kg	/
Sar Limit	2W/kg (over 10 g)	2W/kg (over 10 g)	4W/kg (over 10 g)

Body-worn accessories (e.g., carry case, belt clip) containing metallic components which has not been tested or certified may change the RF performance of the device, including its compliance with RF exposure. User shall avoid using such accessories and should operate at least the above stated separation distance to maintain RF exposure compliance.



Operating authorizations must exist to operate the product in the following member states of the European Union, refer to the table below.

				
AT	BE	BG	CH	CY
CZ	DE	DK	EE	EL
ES	FI	FR	HR	HU
IE	IS	IT	LI	LT
LU	LV	MT	NL	NO
PL	PT	RO	SE	SI
SK	TR	UK(NI)		

Importer Name: Concept International GmbH

Importer Address: Zweibrückenstr. 5-7 80331 München Germany

### 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.

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.

### RF Exposure Compliance


This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. End user must follow the specific operating instructions for satisfying RF exposure compliance. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

The portable device is designed to meet the requirements for exposure to radio waves established by the FCC. These requirements set a SAR limit of 1.6 W/kg averaged over 1 gram of tissue. The highest SAR value reported under this standard during product certification for use when properly worn on the body, with 0mm separation.

FCC ID Label is in removable battery compartment, it could be easily found by removing the battery cover.

### Supplier's Declaration of Conformity

47 CFR § 2.1077 Compliance Information

Unique Identifier Trade Name: 

Model No.: DT382GL

**Responsible Party – U.S. Contact Information**

**DT Research, Inc.**

2000 Concourse Drive, San Jose, CA 95131

<http://www.dtresearch.com>

## IC Compliance Statement

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

- (1) This device may not cause interference.
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

This equipment complies with IC RSS-102 radiation exposure limits set forth for an uncontrolled environment.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

- (1) L'appareil ne doit pas produire de brouillage;
- (2) L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Cet équipement est conforme aux limites d'exposition aux radiations IC CNR-102 établies pour un environnement non contrôlé.

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.

## RF Exposure Compliance

This equipment complies with ISED radiation exposure limits set forth for an uncontrolled environment. End user must follow the specific operating instructions for satisfying RF exposure compliance. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

The portable device is designed to meet the requirements for exposure to radio waves established by the ISED. These requirements set a SAR limit of 1.6 W/kg averaged over 1 gram of tissue. The highest SAR value reported under this standard during product certification for use when properly worn on the body, with 0mm separation.

Cet équipement est conforme aux limites d'exposition aux rayonnements ISED établies pour un environnement non contrôlé. L'utilisateur final doit suivre les instructions spécifiques pour satisfaire les normes. Cet émetteur ne doit pas être co-implanté ou fonctionner en conjonction avec toute autre antenne ou transmetteur.

Le dispositif portable est conçu pour répondre aux exigences d'exposition aux ondes radio établie par le développement énergétique DURABLE. Ces exigences un SAR limite de 1,6 W/kg en moyenne pour un gramme de tissu. La valeur SAR la plus élevée signalée en vertu de cette norme lors de la certification de produit à utiliser lorsqu'il est correctement porté sur le corps, avec une séparation de 0mm.

The functions of Wireless Access Systems including Radio Local Area Networks(WAS/RLANs) within the band 5150-5250 MHz for this device are restricted to indoor use only.

Les fonctions des systèmes d'accès sans fil, y compris les réseaux locaux radioélectriques (WAS/RLAN), dans la bande 5150-5250 MHz de cet appareil sont limitées à une utilisation en intérieur.