



## BASIC OPERATION GUIDE

# 340Q

## INTRODUCTION

Thank you for acquiring the 340Q, part of DT Research's line of Rugged Tablets. Featuring a robust enclosure, the 340Q with 14" TFT display is powered by the Qualcomm octa-core processor, offering optimal combinations of performance and power savings. The 340Q is available with Android operating system. The software operating system features web browser, client/ server computing software, media player, accessories, and applications support.

340Q is a purpose-built, large sunlight readable stationary tablet to be installed on pole mount cradle with stand to provide mobility convenience between each usage.

340Q is designed to serve as floor control unit to work with customer's advanced security screening system.

As a battery powered control unit the two high capacity batteries 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 both indoor and outdoor venues while providing extended working time for productivity, reduce system down time and a much better customer experience going through security checkpoints.

The 14" large display provides clear information for security staff to monitor the screening system and the cradle with stand provides the sturdiness

for safe and ease of operation in the field. The lock built into the cradle secures the tablet from removal or possible theft.

Due to the size and weight, 340Q needs to be installed on cradle with stand to work as floor control unit. Do not use 340Q while holding it by hand.

Shutdown 340Q between each usage or when moving the control stand to prevent any risk of damage.



## PACKAGE CONTENTS

- One 340Q with Battery Pack and Handstrap
- AC-DC Power Adapter with Power Cord
- Basic Operation Guide

## PRECAUTIONS

- Always exercise care when operating and handling the 340Q.
- Do NOT apply excessive pressure to the display screen.
- We recommend using the Digital Pen (optional) to keep the screen clean.
- Avoid prolonged exposure of the display panel to any strong heat source. Wherever possible, the 340Q should face away from direct light to reduce glare.
- 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 340Q and disconnect all power sources. Report the problem to your device provider immediately.
- Never attempt to disassemble the 340Q, as this will void the warranty.

### NOTE:

To obtain protection consistent with any IP rating for the device, the I/O (audio, power, USB, card reader, etc.) port doors must be closed. If the IP protection is compromised by mishandling or misuse, such as by leaving port doors open or improperly closed, any resulting product damage will not be covered under any DT Research warranty.



## Input/ Output Ports

<b>A</b> Ethernet Port	<b>E</b> Smart Card Reader
<b>B</b> USB 3.0 Port	<b>F</b> Tabletop Stand
<b>C</b> DC-in	<b>G</b> Ethernet Port
<b>D</b> Audio Jack	

## Button Functions

BUTTON	ACTION
<b>1</b>	Power Button
<b>2</b>	Programmable Buttons
<b>3</b>	Battery Latch *Push the switch to unlock the latch, then slide the latch left to remove the battery.

## BASIC FEATURES

The 340Q rugged tablet integrates a bright display, USB ports, and embedded networking elements such as wireless LAN and Bluetooth or optional 4G.

A 340Q typically integrates an wireless LAN (WLAN) adapter that may connect to other wireless devices or access points.

## OPERATION

### Powering ON and OFF

To activate the 340Q, push and quickly release the Power Button. The display will come on in a few seconds. To put the 340Q in Standby mode, push and quickly release the Power Button. To turn the 340Q 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 340Q when setting up for the first time to fully charge the battery pack, or use the optional battery charger kit.

#### NOTE:

When the battery packs 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 340Q a few times to activate the charging process.

#### NOTE:

Pushing briefly on the same button will wake up the system within seconds.

## Start Up

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.

## Configuring the Mobile Tablet

The 340Q may be configured using the utilities and methods dictated by the software operating system. The 340Q should be configurable for various properties such as user profiles, network features, and several system elements.

## Wireless Networking

### Wireless LAN

The 340Q is often delivered with an embedded (user-inaccessible) WLAN adapter equipped with a hidden custom antenna.

- Through the support of typical WLAN adapters, the 340Q should be able to detect all 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 340Q 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 access points.

### Bluetooth

The Bluetooth configuration application is enabled from the Windows System Tray or from the Android Settings APP. 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 port, the 340Q 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.

#### CAUTION:

There is danger of explosion if the battery is incorrectly replaced. Replace the battery only with the Tablet manufacturer's battery. Discard used batteries according to the dealer's instructions.

#### CAUTION:

Do not attempt to disassemble the battery pack.

### For More Support

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

### RF Exposure Compliance

To maintain compliance with FCC and RSS RF Exposure guidelines, this equipment should be installed and operated with minimum distance between 20cm the radiator your body:  
Use only the supplied antenna.

Supplier's Declaration of Conformity

47 CFR § 2.1077 Compliance Information

Unique Identifier Trade Name:



Model No.: 340Q

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

**DT Research, Inc.**

2000 Concourse Drive, San Jose, CA 95131

<http://www.dtresearch.com>

### 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.

For the product take-back service information, please visit:  
<http://www.dtresearch.com.tw/zh/About/csr.html>

## Canada

- English:

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

- French:

Le présent appareil est conforme aux CNR d'Industrie 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, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

To maintain compliance with RSS's RF Exposure guidelines, This equipment should be installed and operated with minimum distance between 20cm the radiator your body: Use only the supplied antenna.

Pour rester conforme aux directives d'exposition aux radiofréquences de RSS, cet équipement doit être installé et utilisé à une distance minimale de 20 cm du radiateur de votre corps : Utilisez uniquement l'antenne fournie.

1. the device for operation in the band 5150–5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems;
  2. for devices with detachable antenna(s), the maximum antenna gain permitted for devices in the bands 5250-5350 MHz and 5470-5725 MHz shall be such that the equipment still complies with the e.i.r.p. limit;
  3. for devices with detachable antenna(s), the maximum antenna gain permitted for devices in the band 5725-5850 MHz shall be such that the equipment still complies with the e.i.r.p. limits as appropriate; and
  4. where applicable, antenna type(s), antenna models(s), and worst-case tilt angle(s) necessary to remain compliant with the e.i.r.p. elevation mask requirement set forth in section 6.2.2.3 shall be clearly indicated.
1. le dispositif utilisé dans la bande 5150-5250 MHz est réservé à une utilisation en intérieur afin de réduire le risque de brouillage préjudiciable aux systèmes mobiles par satellite dans le même canal;
  2. pour les dispositifs à antenne (s) détachable (s), le gain d'antenne maximal autorisé pour les dispositifs dans les bandes 5250-5350 MHz et 5470-5725 MHz doit être tel que l'équipement soit toujours conforme à la norme e.i.r.p. limite;
  3. pour les dispositifs à antenne (s) détachable (s), le gain d'antenne maximal autorisé pour les dispositifs de la bande 5725-5850 MHz doit être tel que l'équipement soit toujours conforme à la norme e.i.r.p. les limites, le cas échéant; et
  4. le cas échéant, le (s) type (s) d'antenne, le (s) modèle (s) d'antenne et l'angle (s) d'inclinaison le plus défavorable nécessaire (s) pour rester conforme (e) au p.e. L'exigence relative au masque d'élévation énoncée à la section 6.2.2.3 doit être clairement indiquée.