

DT317CR

BASIC OPERATION GUIDE



ENGLISH

INTRODUCTION

Thank you for acquiring the latest addition to DT Research's line of tablets — the DT317CR. Featuring a slim yet robust enclosure, the DT317CR with 7" TFT display is powered by the Intel® Atom™ quad-core processor, offering optimal combinations of performance and power savings. The DT317CR is available with Microsoft® Windows® operating systems. Each software operating system features web browser, client/ server computing software, media player, accessories, and applications support.

PACKAGE CONTENTS

- One DT317CR with Battery Pack
- AC-DC Power Adapter with Power Cord
- Basic Operation Guide

The DT317CR



Input/ Output Ports

A	Barcode Scanner (optional)
B	Magnetic Stripe Reader (optional)
C	Headphone Jack
D	USB Port
E	DC Power Input
F	Back Camera (optional)

Button Functions

BUTTON	ACTION
1	Power button
2	As SAS button without the scanner module As scanner trigger when equipped with the scanner module
3	Battery switch

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 below 10%

Precautions

- Always exercise care when operating and handling the DT317CR.
- Do NOT apply excessive pressure to the display screen.
- Avoid prolonged exposure of the display panel to any strong heat source. Wherever possible, the DT317CR 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 DT317CR and disconnect all power sources. Report the problem to your device provider immediately.
- Never attempt to disassemble the DT317CR, as this will void the warranty.

THE DT317CR

Basic Features

The DT317CR wireless tablet integrates a bright and multi-touch display, one USB port, NFC and embedded networking elements such as wireless LAN and Bluetooth. The DT317CR is complemented by a suite of accessories, including battery expansion, and charging cradles, for a comprehensive user experience.

A DT317CR typically integrates an 802.11 ac/a/b/g/n wireless LAN (WLAN) and NFC RF function.

The WLAN may connect to other wireless devices or access points. If your DT317CR does not come with such a network adapter, please consult your device provider to establish the desired network connectivity.

The NFC supports the PCD (Proximity Coupling Device) mode for FeliCa, ISO/IEC 14443 type A and B, MIFARE. If that could not recognize the tag, please ensure to enable it.

OPERATION

Powering ON and OFF

To activate the DT317CR, push and quickly release the Power Button. The display will come on in a few seconds. To put the DT317CR in Standby mode, push and quickly release the Power Button. To turn the DT317CR 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 DT317CR when setting up for the first time to fully charge the internal battery pack.

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. Try unplugging/ replugging the AC-DC adapter to the DT317CR 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 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 DT317CR may be configured using the utilities and methods dictated by the software operating system. The DT317CR should be configurable for various properties such as user profiles, network features, and several system elements.

Wireless Networking

Wireless LAN

The DT317CR is often delivered with an embedded (user-inaccessible) 802.11 ac/a/b/g/n of Intel/ 8265NGW module card equipped with the embedded custom antennas.

- Through the support of typical WLAN adapters, the DT317CR 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 DT317CR 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.

The below list of transmitted power of WLAN for the each band,

Parameter	Maximum transmitted power (dBm)
802.11 b mode	20
802.11 g mode	20
802.11 a mode	20
802.11 n 2.G/ 5G mode	20

The bands (frequencies) of WLAN

Frequency	United States	Europe Union
2400~2500 MHz	CH 1~11	CH1~13
5150~5250 MHz	support	support
5250~5350 MHz	support	support
5470~5725 MHz	support	support
5745~5825 MHz	support	support

Bluetooth

The operation frequency of Bluetooth is from 2402 to 2480 MHz (Total 79 CH) and the transmitted power level is class 2. 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.

NFC (Near Field Communication)

Near Field Communication (NFC) is a short-range, wireless connectivity technology designed to be intuitive that operation within the globally available unlicensed ISM band of 13.56MHz. NFC enables simplified transactions, data exchange, pairing, wireless connections, and convenience between two objects when in close proximity to one another. Because the communication is one-to-one and requires such close proximity, data privacy is more inherent than with other wireless approaches.

USING THE MOBILE TABLET

Peripherals Support

Through its USB port, the DT317CR 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 DT317CR can be centrally managed for asset monitoring and for software control. Please consult your device provider.

For More Support

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

Specifications:

System	
CPU	Intel® Atom™ Quad Core, 1.44GHz (up to 1.92GHz)
RAM	4GB
Storage	64GB flash
Operating System	Microsoft® Windows® 10 Enterprise
Display	7" LED-backlight screen with capacitive touch
Display Resolution	1280 x 800
Network Interface	Wi-Fi 802.11ac/a/b/g/n ; Bluetooth 4.0 LE
NFC	Support ISO/IEC 1443 A/B, Felica, MIFARE
Control Switch and Buttons	1 power button and 1 trigger buttons
Indicator	1 power/ battery status LED
Speaker	Built-in Speaker
I/O Ports	
USB port	1 (USB 3.0)
Headphone-out	1
DC-in	1
Mechanical	
AC/DC Adapter	Input: 100 – 240V AC; Output: 12V DC, 5.0A
Battery Pack	Replaceable rechargeable Li-ion battery, 3.6V, 8800mAh
Backup Battery	rechargeable Li-ion battery, 3.7V, 250mAh
Enclosure	ABS + PC plastics
Protective Bumpers	Rubber handstrap
Dimensions (H x W x D)	5.24 x 8.75 x 0.7 in/ 133 x 210 x 18 mm
Weight	1.8 lbs/ 0.8 kg
Environmental	
Operating Temperature	Operation: 0°C ~ 40°C; Storage: -20°C ~ 60°C
Humidity	0% – 90% non-condensing



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FCC Warning:

●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 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 radiated 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 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.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

RF Exposure Information (SAR)

This device meets the government's requirements for exposure to radio waves.

This device is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the U.S. Government.

The exposure standard for wireless devices employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6W/kg. *Tests for SAR are conducted using standard operating positions accepted by the FCC with the device 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 device while operating can be well below the maximum value. This is because the device is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output.

This device was tested according to FCC SAR procedure, and was tested directly contacted with the Body. While there may be differences between the SAR levels of various devices and at various positions, they all meet the government requirement.

The FCC has granted an Equipment Authorization for this device with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines.

SAR information on this device is on file with the FCC and can be found under the Display Grant section of

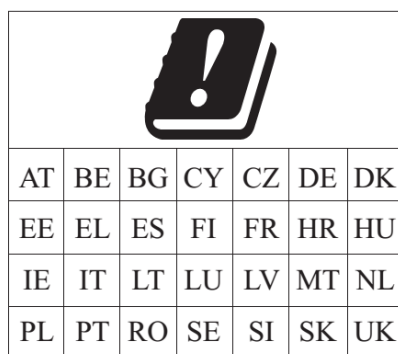
www.fcc.gov/eot/ea/fccid after searching on FCC ID:YE3600D.

EU Warning:

Hereby, DT Research Inc., declares that Mobile Tablet – DT317CR is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU.

This device operates in the 5150 – 5350 MHz frequency range, and is restricted to indoor use only. Outdoor operation in this range is prohibited.

The DT317CR is subject to restrictions on putting into service or to requirements for authorization of use, as provided for in Article 10(10) of Directive 2014/53/EU, the packaging of the radio equipment shall indicate visibly and legibly as below a pictogram and abbreviations of member states.



The abbreviations of Member States:

Belgium (BE), Bulgaria (BG), Czech Republic (CZ), Denmark (DK), Germany (DE), Estonia (EE), Ireland (IE), Greece (EL), Spain (ES), France (FR), Croatia (HR), Italy (IT), Cyprus (CY), Latvia (LV), Lithuania (LT), Luxembourg (LU), Hungary (HU), Malta (MT), Netherlands (NL), Austria (AT), Poland (PL), Portugal (PT), Romania (RO), Slovenia (SI), Slovakia (SK), Finland (FI), Sweden (SE) and United Kingdom (UK).

SAR Information

The exposure standard for wireless mobile tablets employs a unit of measurement known as the *Specific Absorption Rate*, or SAR. The SAR limit set in the European Union is 2.0W/kg averaged over 10 grams of tissue.

This device was tested according to EU SAR procedure, and was tested directly contacted with the Body. While there may be differences between the SAR levels of various devices and at various positions, they all meet the government requirement.

Canada, Industry Canada (IC) Notices

This device complies with Industry Canada's licence-exempt RSSs. 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.

Canada, avis d'Industry Canada (IC)

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.

Users should also be advised that high-power radars are allocated as primary users (i.e. priority users) of the bands 5250-5350 MHz and 5650-5850 MHz and that these radars could cause interference and/or damage to LE-LAN devices.

Devraient également être informés les utilisateurs que les radars à haute puissance sont désignés comme utilisateurs principaux (c.-à-d. utilisateurs prioritaires) des bandes 5250-5350 MHz et 5650-5850 MHz et que ces radars pourraient provoquer des interférences et / ou endommager les appareils LE-LAN.

Radio Frequency (RF) Exposure Information

The radiated output power of the Wireless Device is below the Industry Canada (IC) radio frequency exposure limits. The Wireless Device should be used in such a manner such that the potential for human contact during normal operation is minimized.

This device has been evaluated for and shown compliant with the IC Specific Absorption Rate ("SAR") limits when operated in portable exposure conditions.

Informations concernant l'exposition aux fréquences radio (RF)

La puissance de sortie émise par l'appareil de sans fil est inférieure à la limite d'exposition aux fréquences radio d'Industry Canada (IC). Utilisez l'appareil de sans fil de façon à minimiser les contacts humains lors du fonctionnement normal.

Ce dispositif a été évalué pour et démontré conforme à la Taux IC d'absorption spécifique ("SAR") des limites lorsqu'il est utilisé dans des conditions d'exposition portatifs.