DT Research Mobile Tablet

BASIC OPERATION GUIDE

DT370CR

INTRODUCTION

Thank you for acquiring the DT370CR, part of DT Research's line of tablets. Featuring a slim yet robust enclosure, the DT370CR with 7" TFT display is powered by the Intel® Atom™ quad-core or Qualcomm octa-core processor, offering optimal combinations of performance and power savings. The DT370CR is available with Microsoft® Windows® or Android operating system. The software operating system features web browser, client/ server computing software, media player, accessories, and applications support.

PACKAGE CONTENTS

- One DT370CR with Battery Pack and Handstrap
- AC-DC Power Adapter with Power Cord
- Basic Operation Guide

*If your DT370CR contains camera or barcode scanner, please refer to the Tablet Modules Basic Operation Guide for detailed operation.

DT370CR:

Input/ Output Ports

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

Button Functions

BUTTON	ACTION
1	Power Button
2	Programmable Button without the scanner module As Scanner Trigger when equipped with the scanner module
3	4-way Tactile Button
4	Enter Button and Programmable Buttons
5	Battery Latch

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 DT370CR.
- Do NOT apply excessive pressure to the display screen.
- Avoid prolonged exposure of the display panel to any strong heat source.
- Wherever possible, the DT370CR 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 DT370CR and disconnect all power sources. Report the problem to your device provider immediately.
- Never attempt to disassemble the DT370CR, as this will void the warranty.

BASIC FEATURES

The DT370CR wireless tablet integrates a bright and multi-touch display, one USB port, and embedded networking elements such as wireless LAN and Bluetooth. The DT370CR is complemented by a suite of accessories, including battery expansion, and charging cradles, for a comprehensive user experience.

A DT370CR typically integrates an 802.11ac wireless LAN (WLAN) adapter that may connect to other wireless devices or access points. If your DT370CR does not come with such a network adapter, please consult your device provider to establish the desired network connectivity.

OPERATION

Powering ON and OFF

To activate the DT370CR, push and quickly release the Power Button. The display will come on in a few seconds. To put the DT370CR in Standby mode, push and quickly release the Power Button. To turn the DT370CR off for extended storage, power off safely using any software function that “shuts down computer” provided in the software operating system.

NOTE:

The battery pack shipped with your tablet may be low in power—please use the AC-DC adapter with the DT370CR when setting up for the first time to fully charge the battery pack, or use the optional battery charger kit.

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 DT370CR 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 DT370CR may be configured using the utilities and methods dictated by the software operating system. The DT370CR should be configurable for various properties such as user profiles, network features, and several system elements.

Wireless Networking

Wireless LAN

The DT370CR 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 DT370CR 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 DT370CR 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 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 port, the DT370CR 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.

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.

Specifications:

Item	DT370CR
System	
CPU	Intel® Atom™ Quad Core, 1.44GHz (up to 1.92GHz)
RAM	4GB
Storage	128GB flash
Operating System	Microsoft® Windows® 10 IoT Enterprise
Display	7” LED-backlight, high-brightness (800 nits) screen with capacitive touch, outdoor viewable
Display Resolution	1280 x 800
Network Interface	Wi-Fi 802.11ac, 2.4GHz/ 5GHz dual band; Bluetooth 4.2 LE
Control Switch and Buttons	1 power button, 1 trigger button, 4 programmable buttons, 1 4-way tactile button
Fan/ Fanless	Fanless
Speaker	Built-in speaker
I/O Ports	
USB port	1 (USB 3.0)
Audio Jack	1 (3.5mm)
DC-in	1
SD Slot	1 micro SD card slot
Mechanical and Environmental	
AC/DC Adapter	**Input:** 100 – 240V AC; **Output:** 12V DC, 5A
Battery Pack	Hot swappable battery, 3.7V, 8800mAh
Enclosure	ABS + PC plastics and magnesium-aluminum alloy
Dimensions (H x W x D)	8.4 x 5.4 x 0.94 in/ 214 x 137.3 x 24 mm
Weight	1.99 lbs/ 900 g
Regulatory	FCC Class B, CE, RoHS compliant
Operating Temperature	Operation: -20°C to 50°C (-4°F to 122°F) Storage: -20°C to 60°C (-4°F to 140°F)
Humidity	0% – 90% non-condensing

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.

Specific Absorption Rate (SAR) information SAR tests 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, in general, the closer you are to a wireless base station antenna, the lower the power output.

Before a new model device is a available for sale to the public, it must be tested and certified to the FCC that it does not exceed the exposure limit established by the FCC, Tests for each device are performed in positions and locations as required by the FCC.

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