

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.

DT Research Rugged Tablet



BASIC OPERATION GUIDE

DT361AM/ DT361AD

INTRODUCTION

Thank you for acquiring the DT361AM/ DT361AD, part of DT Research's line of Rugged tablets. Featuring a slim yet robust enclosure, the DT361AM/ DT361AD with 6" Capacitive touch screen is powered by the Intel® processor, offering optimal combinations of performance and power savings. The DT361AM/ DT361AD is available with Microsoft® Windows® operating system and features web browser, client/ server computing software, media player, accessories, and applications support.

PACKAGE CONTENTS

- One DT361AM/ DT361AD with Battery Pack and Handstrap
- AC-DC Power Adapter with Power Cord
- Basic Operation Guide



Input/ Output Ports

A	Smart Card Reader (DT361AM) SD Card Reader (DT361AD)	C	USB 3.0 Port
B	LAN Port	D	USB Type-C Port (as power input)

Button Functions

BUTTON	ACTION	BUTTON	ACTION
1	Power Button	4	Brightness Control Buttons
2	NVIS/ Normal Mode Toggle (optional)	5	Waki-talkie Communication Buttons
3	Programmable Buttons	6	Battery Latch *Push the switch up to unlock the latch, then slide the latch left to remove the battery.

PRECAUTIONS

- Always exercise care when operating and handling the DT361AM/ DT361AD.
- 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 DT361AM/ DT361AD 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 DT361AM/ DT361AD and disconnect all power sources. Report the problem to your device provider immediately.
- Never attempt to disassemble the DT361AM/ DT361AD, 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.

BASIC FEATURES

The DT361AM/ DT361AD rugged tablet integrates a dual mode switchable NVIS or high-brightness touchscreen, USB ports, and embedded networking elements such as wireless LAN and Bluetooth.

A DT361AM/ DT361AD typically integrates an 802.11ac wireless LAN (WLAN) adapter that may connect to other wireless devices or access points. If your DT361AM/ DT361AD 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 DT361AM/ DT361AD, push and quickly release the Power Button. The display will come on in a few seconds. To put the DT361AM/ DT361AD in Standby mode, push and quickly release the Power Button. To turn the DT361AM/ DT361AD 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 DT361AM/ DT361AD when setting up for the first time to fully charge the battery pack, or use the optional battery charger kit.

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 Rugged Tablet

The DT361AM/ DT361AD may be configured using the utilities and methods dictated by the software operating system. The DT361AM/ DT361AD should be configurable for various properties such as user profiles, network features, and several system elements.

NVIS Mode and Screen Brightness Control (optional)

- When power button is pressed to power on the unit, power LED will flash orange once to indicate the unit is booting. Unit will boot into NVIS mode with zero nit brightness by default and display will be dark. You can press the “Brightness Up” and “Brightness Down” buttons to set NVIS mode display to desired brightness (up to 20 nits).
- To toggle between NVIS and high-brightness display mode, press the “NVIS/ Normal Mode Toggle” button. When changed from NVIS mode to high-brightness mode, display brightness percentage will be same as the brightness level set in NVIS mode before toggling.
- Use brightness control buttons to set desired brightness level. When changed from normal display mode to NVIS mode, display brightness will be set to 0 nit (display is dark) and you need to use brightness control buttons to change display to desired brightness.
- Brightness up, Brightness down, NVIS/Normal toggle, Windows Key and Control Center functions are fixed and not user programmable.
- Two programmable buttons on left side can be programmed through Button Manager.

Wireless Networking

Wireless LAN

The DT361AM/ DT361AD 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 DT361AM/ DT361AD should be able to detect all 802.11 access points in the vicinity to select the access point of choice for connection.
- The SSID and WEP/WPA/WPA2 (if enabled) parameters on the DT361AM/ DT361AD and the access points have to match. The SSID is case-sensitive and it is recommended to 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 RUGGED TABLET

Peripherals Support

Through its USB 3.0 port, the DT361AM/ DT361AD 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.

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.

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 one gram of tissue. The highest SAR value reported under this standard during product certification for use when properly worn on the body.

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 portatif 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.

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.

FCC RF Exposure Compliance

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

The device has been tested for use against the body with 0mm separation in Specific Absorption Rate (SAR) testing.

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.

Supplier's Declaration of Conformity

47 CFR § 2.1077 Compliance Information

Unique Identifier Trade Name: 

Model No.: DT361AM/ DT361AD

Responsible Party – U.S. Contact Information
DT Research, Inc.

2000 Concourse Drive, San Jose, CA 95131
<http://www.dtresearch.com>

FCC Compliance Statement

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.

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

 **DT Research, Inc.**
 2000 Concourse Drive, San Jose, CA 95131 <http://www.dtresearch.com>
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RF Exposure Information(RED)

This device was tested for typical body-worn operations. To comply with RF exposure requirements, a minimum separation distance of 0cm must be maintained between the user's body and the handset, including the antenna.

The band 5150-5350 MHz for this device are restricted to indoor use only within all European Union countries.

Hereby, [DT Research, Inc.] declares that the radio equipment type [DT361AM, DT361AD] is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address:

<http://www.dtresearch.com>.



Maximum EIRP for EU

Bluetooth:2402MHz-2480MHz	2.6dBm
Bluetooth LE:2402MHz-2480MHz	1.52dBm
Wifi: 2412MHz-2472MHz/2422MHz-2462MHz	13.74dBm
Wifi: 5150MHz-5725MHz	11.96dBm