

BASIC OPERATION GUIDE

WebDT 310 Mobile Tablet



INTRODUCTION

Thank you for acquiring the latest addition to DT Research's line of tablet devices—the *WebDT 310*. Featuring a slim yet robust magnesium alloy enclosure, the two-pound *WebDT 310* with 10.4” TFT display is powered by the AMD Geode™ LX 800 processor, offering optimal balance of performance and power savings. An external battery expansion option provides approximately 3-4 hours of additional battery operation for up to six hours of mobile usage.



The *WebDT 310* is available in Windows® CE, Windows XP Embedded, or Windows XP Tablet PC operating systems. Each software operating system features web browser, client/server computing software, media player, accessories, and applications support.

Package Contents

- ▶ *WebDT 310* with Internal Battery Pack, Stylus, and Bumpers with Screen Cover
- ▶ AC-DC Power Adapter with Power Cord
- ▶ Basic Operation Guide
- ▶ Major options, depending on configuration:
 - Desktop Charging Cradle with DC-in Power Jack, Ethernet/USB Ports
 - External Battery Pack
 - External Battery Charger Kit
 - Charging Cradle
 - Carrying case

* If your WebDT 310 includes an MSR, camera or scanner module, please refer to the *POS Module Operation Guide* for detailed operation.

The WebDT 310 (with Windows XP)



Button Functions (with Windows XP Operating System)

BUTTON	DESCRIPTION	ACTION
1	First in group of three	Programmable
2	Second in group of three	Programmable
3	Third in group of three	Programmable
4	First in group of four	Programmable, launch soft (on-screen) keyboard (default)
5	Second in group of four	Launch SAS (Secure Attention Sequence) Generate Ctrl+Alt+Del keys to invoke the security windows defined under Windows XP
6	Third in group of four	Programmable, Change display orientation (portrait/landscape) (default)
7	Fourth in group of four	Programmable, system utility menu (default)
8	Power Button	Push/release typically enters Standby mode, or Push/release exits Standby mode or restarts device (software dependent) Push and hold (over 4 seconds) invokes hardware shutdown

Note: Buttons 1–4, 6 and 7 may be re-programmed through a Button Manager utility.

Precautions

- ▶ Always exercise care when operating and handling the *WebDT 310*.
- ▶ Do NOT apply excessive pressure to the display screen.
- ▶ We recommend using the Stylus provided to keep the screen clean.
- ▶ Avoid prolonged exposure of the display panel to any strong heat source.
- ▶ Wherever possible, the *WebDT 310* should face away from direct light to reduce glare.
- ▶ If the AC-DC power adapter is used to recharge or power the device, do NOT use any AC-DC adapter other than the one provided with the device or acquired from the manufacturer or its partners.
- ▶ In the unlikely event that smoke, abnormal noise, or strange odor is present, immediately power the *WebDT 310* off and disconnect all power sources. Report the problem to your device provider immediately.
- ▶ Never attempt to disassemble the *WebDT 310*, as this will void the warranty.

THE WebDT 310

Basic Features

The *WebDT 310* wireless tablet integrates a bright and responsive touch display, two USB ports, a VGA port, and embedded networking elements such as wireless LAN and Bluetooth. The primary device is complemented by a suite of accessories, including battery expansion, docking cradles, and carrying cases, for a comprehensive user experience.

A *WebDT 310* typically integrates an 802.11b/g or 802.11a/b/g wireless LAN (WLAN) adapter that may connect to other wireless devices or access points. If your *WebDT 310* does not come with such a network adapter, please consult your device provider to establish the desired network connectivity.

OPERATION

Internal Battery Switch

To prevent battery drain during shipping and extended storage, the internal battery may be turned off. To turn on the internal battery, push the battery button switch (on the back panel) to the “up” position (see page 2 for photo). The internal battery pack has to be turned on for it to operate, be charged, and for the optional external battery pack to function.

Powering ON and OFF

To activate the *WebDT 310*, push and quickly release the Power Button to the left of the front bezel. The display will come on in a few seconds. To put the *WebDT 310* in Standby mode, push and quickly release the Power Button. To turn the *WebDT 310* off for extended storage, power off the device safely using any software function that “shuts down computer” provided in the software operating system.

NOTE: The battery packs shipped with your device may be low in power—please use the AC-DC adapter with the *WebDT 310* when setting up the device for the first time to fully charge the internal battery pack. You may charge the external battery pack with it attached to the *WebDT 310*, or with the optional external battery charger kit.

NOTE: When the battery pack(s) is (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 *WebDT 310* a few times to activate the charging process.

NOTE: To conserve power, use (push and quick release) the Power Button to put the device 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 device—this form of hardware shutdown is intended to be a means of recovery from device lockups, and not as normal operation.

Start Up

If the power up (from Standby 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 WebDT 310

The device may be configured using the utilities and methods dictated by the software operating system. The *WebDT 310* should be configurable for various properties such as user profiles, network features, and several system elements.

Calibration

The touch display for the *WebDT 310* is calibrated before shipping. In the event that the calibration has been modified or is unsatisfactory, the respective calibration routines (e.g., PenMount (PM) for Windows XP) to calibrate the touch interface may be used. Such applications are typically executed through touch input via Stylus or through mouse click via a USB mouse.

Wireless Networking

Wireless LAN

The *WebDT 310* is often delivered with an embedded (user-inaccessible) 802.11 WLAN adapter equipped with a hidden custom antenna. Depending on the product configuration, this embedded interface is supplemented by a user-accessible PCMCIA slot for use with third-party network adapters or peripherals.


- ▶ Through the support of the typical WLAN adapters, the *WebDT 310* 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 (if enabled) parameters on the *WebDT 310* and the access points have to match. The SSID is case-sensitive and it is recommended that you enable WEP encryption (or advanced alternatives) for secure access.
- ▶ When WEP is enabled, you may need to consult your network administrator or your networking equipment literature to properly configure associated settings such as Authentications mode, etc.
- ▶ Refer to the access point operating manuals for setting up the 802.11 access points.

Bluetooth

The *WebDT 310* features a built-in Bluetooth adapter that operates on the Microsoft Windows Bluetooth protocol. The Bluetooth configuration application is invoked from the System Tray or from the Control Panel for Windows XP. Under Windows CE, it can be executed from the Control Panel. Follow the instructions and options provided within the application to configure and invoke Bluetooth connectivity with the corresponding peripherals.

NOTE: Bluetooth devices or accessories that are not compatible with the Microsoft Windows Bluetooth protocol may not work with the *WebDT 310*.

Button Management

Where supported by software, many of the hard buttons on the *WebDT 310* are programmable to perform a function of the user's choice. The exception is the Power Button and the SAS Button. To activate the button re-assignment application, invoke the Button Manager application, e.g., in Windows XP Embedded,  .

Brightness Control

Where supported by device firmware and software, a hard button may be engaged to manipulate the display brightness. Press the System Menu button (Button 7) on the front of the *WebDT 310*. The System screen will display a Brightness control section with up and down arrows that can be activated with the stylus.

Battery and Power Management

The *WebDT 310* is equipped with an internal Li-Ion battery pack that is capable of supporting approximately 1.5–2 hours of continuous operation. The period of continuous operation can be extended by approximately 3–4 hours with the external battery pack that clips (hot-pluggable) onto the back of the device. The period between battery recharges can be significantly lengthened by putting the device into Standby mode through the Power Button (see Buttons Function Table) whenever the device is not in use. Depending on the operating software, the *WebDT 310* may also be configured to enter various power-saving modes via the Power Button or through timed entry.

Desktop Cradle

The *WebDT 310* is complemented by an optional Desktop Cradle for support, pass-through charging, and connection to a range of USB peripherals, including keyboard and mouse. The Cradle offers the following interfaces: a DC-in port for the AC-DC adapter, an Ethernet port, and USB ports. Always seat the *WebDT 310* securely onto the cradle. The cradle must be powered by the AC-DC adapter for the Ethernet and USB ports to function. The battery packs on the *WebDT 310* may be recharged by connecting the AC-DC adapter directly to the DC-in port on the *WebDT 310* or through the DC-in port on the Desktop Cradle while the *WebDT 310* is docked to the Cradle.

USING THE WebDT 310

Memory configuration

The *WebDT 310* is available in various memory configurations. They currently range from 64MB to 16GB of flash memory and 256MB, 512MB, or 1GB of RAM.

Peripherals Support

Through its USB ports, the *WebDT 310* 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. The *WebDT 310* is equipped with a built-in VGA port, allowing displayed content to be mirrored on an external display for clear, shared viewing. The *WebDT 310* is also compatible with custom mountable cradle options. These securable and mountable cradles provide an interface to VESA mounts and arms, and to ports that may include USB, Ethernet and pass-through power.

Remote Management

Depending on software configuration, the *WebDT 310* can be centrally managed for asset monitoring and for software control. Please consult your device provider.

SPECIFICATIONS

Display	10.4" Hi-Brite TFT LCD with resistive touch and outdoor-viewable option
Display Resolution	1024 x 768 (XGA)
Processor	AMD Geode™ LX 800
Memory (flash)	64MB – 16GB
Memory (RAM)	256MB; 512MB; 1GB
Software Operating Systems	Windows CE; Windows XP Embedded; Windows XP Tablet PC Edition
Storage	Internal flash module; 60GB HDD; 32GB SSD
Stylus	Non-electronic tip
Protective Bumpers	Two rubber bumpers with optional adjustable hand strap
Wireless Interface	Integrated 802.11; Bluetooth
Input and Control Buttons	Seven (7) front buttons; One Power (left edge); Internal battery control switch
Input/Output Ports	12V DC-in Jack; Microphone-In; Headset jack; (2) USB 2.0 Ports; VGA
Enclosure	Magnesium-Aluminum alloy
AC/DC adapter	Input: 100-240VAC, 1.2A; Output: 12VDC, 3.5A
Power Cords	North America, EU, UK
Battery Packs (Lithium-Ion)	Internal (14W, 2000 mAh); Optional external (28W, 3900 mAh, 0.5lb); Optional tethered pouch (72W, 6600 mAh, 1lb)
Desktop Charging Cradle	Optional: Pass-through for power; Ethernet, USB 2.0 ports
Charging Cradle	Optional: Aluminum charging stand
Dimensions (H x W x D)	8.3 x 10.3 x 0.8 (in); 210 x 261 x 18 (mm)
Base Weight	2.05 lbs (0.93 kg)
Regulatory	FCC Class B, CE, UL, RoHS compliant
Operating Temperature	0° – 40°C
Humidity	0% – 90% non-condensing



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