

TOSHIBA

TCxWave 6140

Quick Installation Guide

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Caution: Before installing this product, read the *Toshiba Safety Information* and the *Warranty Information*.

Caution	These statements indicate situations that can be potentially lethal or extremely hazardous to you. A danger statement is placed just before the description of a potentially lethal or extremely hazardous procedure step or situation.
Danger	These statements indicate situations that can be potentially hazardous to you. A caution statement is placed just before the description of a potentially hazardous procedure step or situation.

This guide includes quick installation information for the Toshiba® TCxWave™6140 systems.

- For an overview of the TCxWave 6140 system features and specifications, refer to the TCxWave webpage at www.toshibacommerce.com/products/tcxwave.
- For detailed product information for installing, using, troubleshooting, and maintaining the TCxWave 6140 system, refer to the TCxWave 6140 documentation for your specific model at www.toshibacommerce.com/support/publications.

VERIFYING YOUR ORDER

Each TCxWave 6140 order includes the following components:

- Head unit (all models)
- Power option, such as the POS base, USB hub, or power adapter
- Country-specific power cord
- Factory installed options, such as extra memory
- Customer installed options, such as MSR or 2 X 20 display
- Environmental CD
- Safety Information Booklet
- Warranty Information Booklet

PLANNING FOR YOUR INSTALLATION

Prior to installing the TCxWave 6140 system, evaluate the space where the unit will be installed.


- **Survey the area where the unit will be installed:**
 1. Inspect the work area where the installation is to take place for material that must be moved.
 2. Ensure that sufficient space is available to locate the POS system (see the TCxWave product page at www.toshibacommerce.com/products/tcxwave for dimensions for each TCxWave 6140 model).
 3. If necessary, secure the work area with Caution tape.
- **Determine your configuration (you can use a POS or kiosk configuration):**
 1. A POS configuration installs the head unit on the POS base and is secured or set on a table or countertop.
 2. A kiosk configuration has the head unit mounted to a wall or on a stand.

EVALUATING THE ENVIRONMENTAL REQUIREMENTS

Adhere to the following environmental conditions when planning to install the TCxWave 6140 system.

Table 1: Environmental requirements

	Temperature (dry bulb)	Maximum temperature (wet bulb)	Relative humidity
Operating	5 to 40°C (41° to 104° F)	27° C (81° F)	8% to 80%
Storage	0 to 60°C (-32° to 140° F)	29° C (84° F)	5% to 80%
Shipment	-40 to 60°C (-40° to 140° F)	29° C (84° F)	5% to 100%

 **Note:** The maximum operating altitude is 3048m (10,000 ft) except in China, where the altitude limitation is 2000m (6562 ft).

A small, variable-speed fan is used for processor and system cooling. Ensure that the cooling vents are not blocked by papers, signs, or other items.

Measures should be taken to avoid condensation in any of the above listed conditions.

Systems operating in harsh outdoor environments require special consideration. Outdoor use can run the risk of decreased reliability if exposed to extreme conditions like rain, salt spray, blowing sand, or chlorine vapors.

EVALUATING ELECTRICAL REQUIREMENTS

Before installing your TCxWave 6140 system, evaluate the electrical requirements.

The power cord that is supplied with the TCxWave 6140 system (either a 120 Vac or 230 Vac) is dependent on the country of your store location.



Important:

- Do not use an extension cord to get power from the receptacle to the TCxWave 6140 system power cord.
- A power receptacle must be readily accessible in order for personnel to disconnect the power from the TCxWave 6140 system.
- The Toshiba TCxWave 6140 system should be powered from an AC branch circuit which is dedicated to I/T equipment.

POWER CORDS and USAGE REQUIREMENTS

Each system ships with an AC power cord that is compatible with your specified country's standard AC power outlet.



Danger: Connect power to this unit only with the Toshiba Global Commerce Solutions provided power cord. Do not use the Toshiba Global Commerce Solutions provided power cord for any other product.

INSTALLING THE SYSTEM

1. Install your customer installed options.
2. Attach your input/output devices.



Note: This system should be installed at least 10 inches from any Sensormatic type security tag system to avoid any interference.

CONNECTING THE POWER

1. Connect the power to the system.
 - **Connect the DC power cable to a system without a POS base:**
 1. Check to ensure the AC power cord is not plugged into an AC electrical outlet.
 2. Locate the power connector on the bottom of the head.
 3. Connect the DC power cable to the connector.
 - **Connect the AC power cord to a system with a POS base:**
 1. Open the rear I/O door on the POS base and locate the power connector on the power supply unit inside the POS base.
 2. Connect the AC power cord to the connector.
2. Connect the power cord to an electrical outlet.

TURNING ON THE SYSTEM

To turn on the TCxWave 6140 system:

1. Locate the power indicator and control (see [Figure 1: Operator's panel indicators and controls \(TCxWave 6140 A3x or E3x\)](#) on page 5) in the lower right corner of the head. The power indicator and control should be dimly lit if the system is connected to an AC outlet and/or the power supply is working correctly.

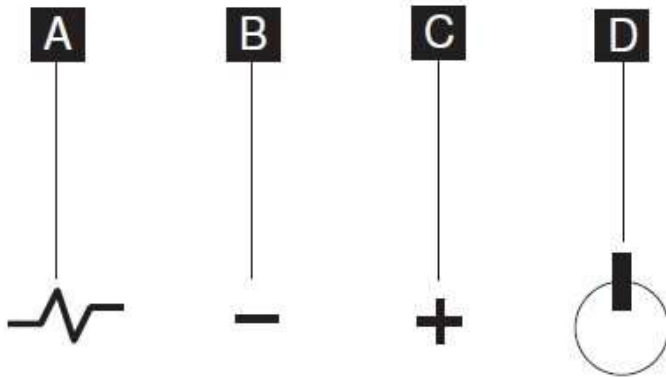


Note: The operation of the power indicator and control is configurable in the BIOS. If the power control is set to **OFF**, the power control can still be used to turn on the system. After booting, the power indicator and control will no longer be active.

2. Touch or tap the power indicator. Wait for the system to complete the power-on self test (POST) and the operating system to start up.
3. Use the plus (+) or minus (-) controls to adjust the screen brightness after the operating system boots up.

IDENTIFYING INDICATORS and CONTROLS

Figure 1: Operator's panel indicators and controls (TCxWave 6140 A3x or E3x) on page 5 illustrates the TCxWave 6140 panel indicators and controls, which are located on the lower right corner of the head. A description of these indicators are included in Table 2: Descriptions of the operators panel indicators and controls on page 6.



Note: The operator's panel on the TCxWave 6140 10x or E1x also includes an amber exclamation indicator, which illuminates when there is a problem with the system.


Figure 1: Operator's panel indicators and controls (TCxWave 6140 A3x or E3x)

Table 2: Descriptions of the operators panel indicators and controls


Label	Description
A	Activity (when lit or flashing it displays Ethernet activity or solid state drive (SSD) activity, or both)
B	Brightness indicator and control (Use the + or - indicators or controls to adjust the brightness of the display)
C	
D	<p>Power indicator and control (touch or press the power indicator and control to turn the system on)</p> <p>There are four possible states for the power indicator/control:</p> <ul style="list-style-type: none"> • Off - indicates that the system is unplugged or the power supply is faulty (unless turned off in the BIOS) • On - system is on • Dimly lit - system is off (AC power is applied and or power supply is working correctly) • Fade in and out - system is in Sleep state <p> Note: The power indicator will display one of the four states shown above when the BIOS setting is ON.</p>

TURNING OFF THE SYSTEM

To turn off the TCxWave 6140 system:

 **Danger:** The following power off procedure does not completely remove all AC power from the system. You must completely remove the AC input from the system to remove all power from the system.

1. Locate the power indicator and control on the lower right corner of the head. If it is not lit or active, press the indicator and control icon to activate the power control function.
2. Press the power indicator and control again to shut down or place the system in sleep mode. Note: The behavior of the power button is dependent on the operating system configuration.

 **Important:** The power indicator and control is configurable in BIOS. If the power control is set to **OFF** in the BIOS, you must use the operating system to turn the system off. If the power control is set to **ON** in the BIOS, pressing the control will shut down the system (depending on the operating system power control settings). The default for the power indicator and control is 'AUTO', which means the control is not active (indicator is off) until pressed once. Pressing the Power indicator and control or Brightness indicator and control once causes the indicators and controls to light up and activate the controls.

REMOVING POWER FROM THE SYSTEM

To remove all power from the system unit, complete one of the following procedures.


Removing power from a system mounted on a POS base

The system can be anchored to the table or countertop, but cable management might prevent easy access to the AC power cord inside the POS base. If this happens, remove the power by disconnecting the AC power cord from the wall outlet.

1. Shut down the operating system.
2. Locate both ends of the AC power cord.
3. Disconnect the AC power cord from the system or power outlet.

Removing power from a kiosk system

System mounting and cable management might prevent easy access to the AC power cord on the rear of the system. In which case, it is easier to remove the power by disconnecting the AC power cord from the wall outlet. The power cord can be connected to a power adapter or a POS hub.

 **Note:** A kiosk system is a head mounted to a wall, stand, or on some other VESA compatible mount without the POS base.

1. Shut down the operating system.
2. Locate both ends of the power cord.
3. Disconnect the AC power cord from the input to the power supply or POS HUB (do not disconnect the DC power cable from the system unit).

MAINTAINING and REPAIRING THE SYSTEM

Maintenance and repairs should be performed by a trained service technician. Please contact your local Toshiba representative for assistance, a trained maintenance technician, or visit www.toshibacommerce.com/support.

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