

KIOSK COMPUTER

KC50

Quick Start Guide

MN-004990-02EN Rev A



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Unpacking the Device

Unpack the device and examine the contents before setting up the device.

1. Carefully remove the computer from the box.
2. Verify the following items are in the box:
 - KC50
 - Bags containing two back covers
 - Bag containing four M4 screws and a size 3 hex key
 - Regulatory guide
3. Inspect the equipment for any damage. If any equipment is missing or damaged, contact the Global Customer Support Center immediately.



IMPORTANT: Leave the protective film that covers the screen on the device until it is mounted/installed.

Repair or Replacement

Go to [Request a Repair](#) to request repair services for the device.

Repair or replacement services from an authorized Zebra provider are available for four years after the sale of the product for the following hardware items:

- Main processor
- Memory
- Display
- Touch panel
- Speakers
- Camera
- I/O connectors

Go to [OneCare Support Services](#) to purchase these services.

Device Features

This section lists the features of the device.

Figure1 Front View Features

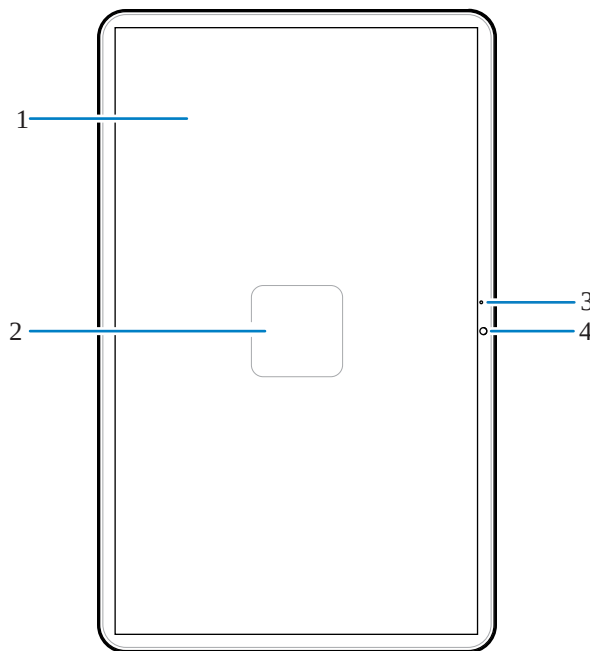


Table1 Front View Features

Number	Item	Description
1	Touchscreen	Displays all information needed to operate the device.
2	NFC antenna	Provides communication with other NFC-enabled devices.
3	Main microphone	Use for communications in Handset mode.
4	Front camera	Captures photos, videos, and STAGENOW barcode data.

Figure 2 Rear View with Back Covers Removed Features

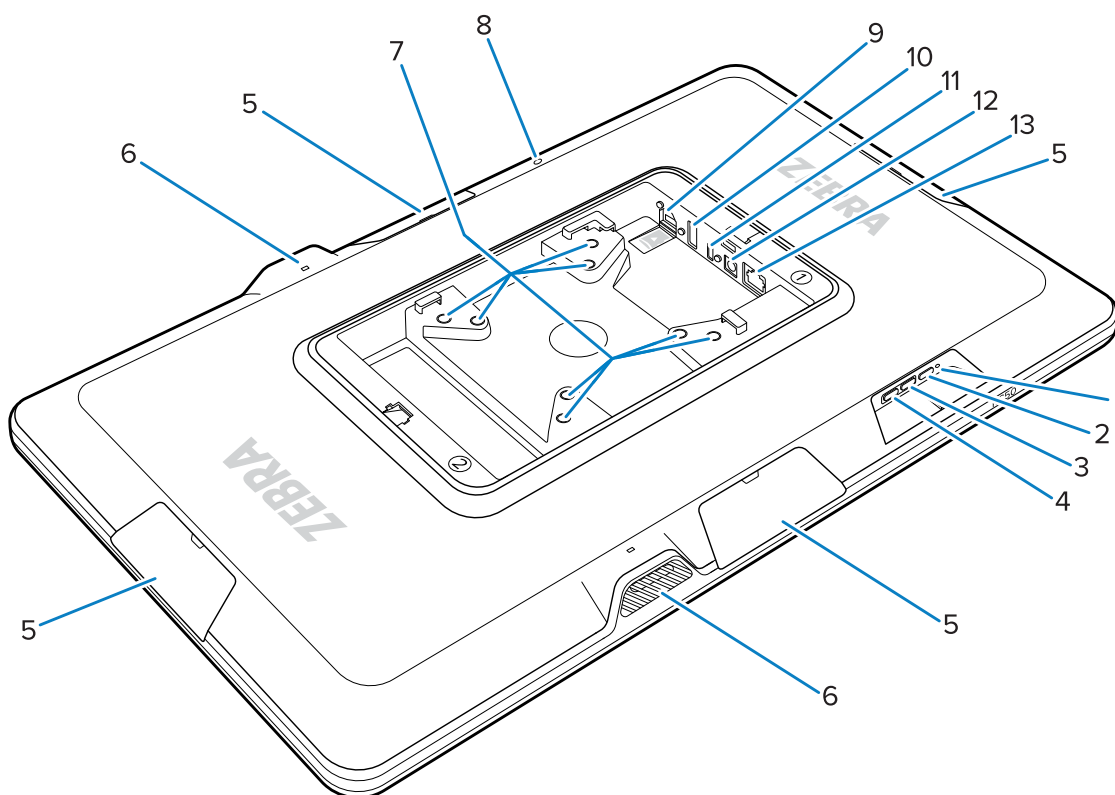


Table 2 Rear View Features

Number	Item	Description
1	Power LED	Indicates device power status. - No Light - KC50 is powered off - Solid Amber - KC50 is powered on - Flashing Red - Incorrect PoE power supply or power supply class can not be determined - Blue - Android OS notifications
2	Power button	Wakes the device.
3	Volume up button	Increases device volume (programmable).
4	Volume down button	Decreases device volume (programmable).
5	Accessory port cover	Protects the accessory port from dust/debris (removable).
6	Speaker	Provides audio output.
7	VESA-compliant mounting inserts	M4 threaded inserts - 100 mm (3.94 in.) and 75 mm (2.95 in.) squares.
8	Rear microphone	Used for noise cancellation.

Table 2 Rear View Features (Continued)

Number	Item	Description
9	microSD slot (bottom) and GPIO port (top)	The microSD slot holds a microSD card for additional storage capacity.  NOTE: The GPIO port is reserved for future use.
10	USB-A port	USB-A input.
11	USB-C display port	Provides display information to a secondary screen such as the TD50.  NOTE: Cable requirements: • USB 3.1 GEN 1 super speed data transmission. • Less than 2 meters in length. • Signal lines including SBU1, SBU2, CC1 and CC2. • The combined four pins of VBus and GND are capable of carrying a minimum of 2 A of current. The Zebra cable CBL-EC5X-USBC3A-01 is recommended for use with KC50.^a
12	DC power port	DC power supply.
13	Ethernet port	Accepts an RJ45 connector.

^a Other cables, such as Zebra TC2X/TC52/TN28 cables, do not have the necessary superspeed or other signal lines needed for the KC50 to function with the TD50 secondary monitor.

Setting up the Device

Set up the device by connecting a power supply, mounting the device, and installing optional accessories.

1. (Optional) Install a microSD card.
2. Connect the device to a power supply.
3. Mount the device.



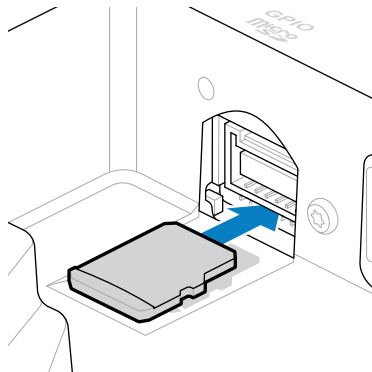
NOTE: If you are using an SC-2000 stand, refer to the SC-2000 Installation Guide for detailed instructions on mounting the device on the stand.

4. (Optional) Install the accessories.

Installing a microSD Card

Install a microSD card to increase the device's storage capacity.

1. Orient the microSD with the contacts facing down.
2. Push the microSD card into the slot until you engage the spring mechanism, and the card clicks into place.



Connecting a DC Power Supply and Powering on the Device

The KC50 Kiosk computer requires an external power supply with either a DC line or Ethernet cable.

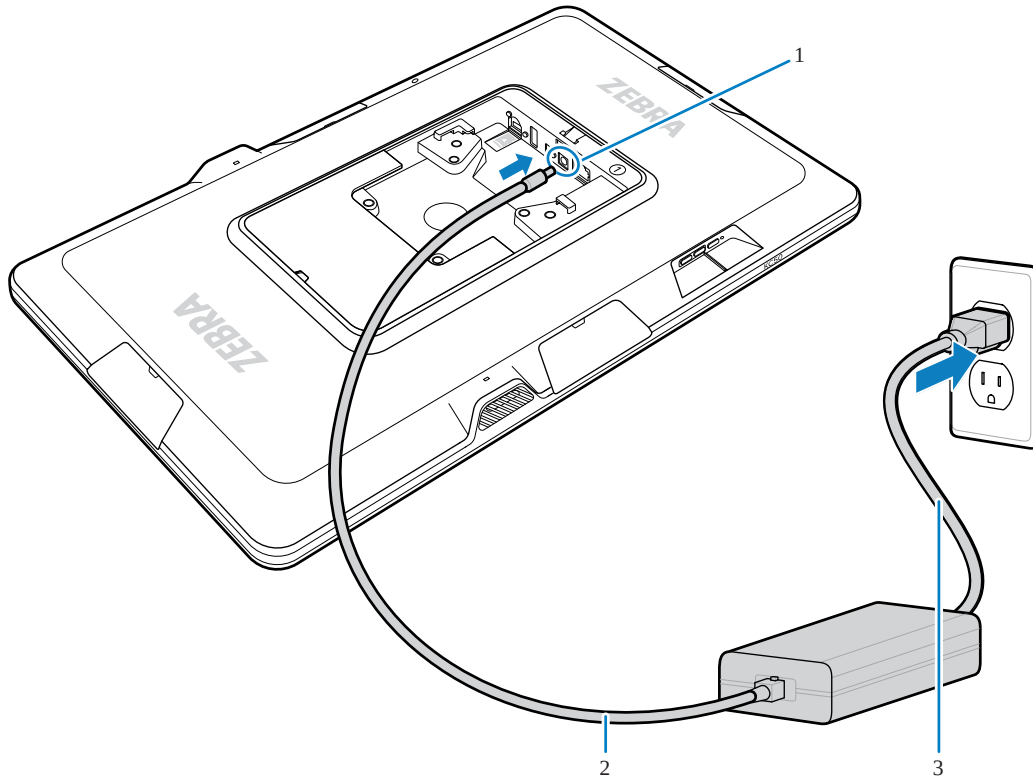
This guide includes instructions for a DC line connection to the power supply. For Power over Ethernet, refer to the KC50 Product Reference Guide.

Setting up the Device



IMPORTANT: If you are using an SC-2000 stand, refer to the SC-2000 Installation Guide to connect the power supply.

1. Connect the DC line to the power port of the device (1).
2. Connect the DC line cord to the power adapter (2).
3. Connect the AC line cord to a power supply (3).

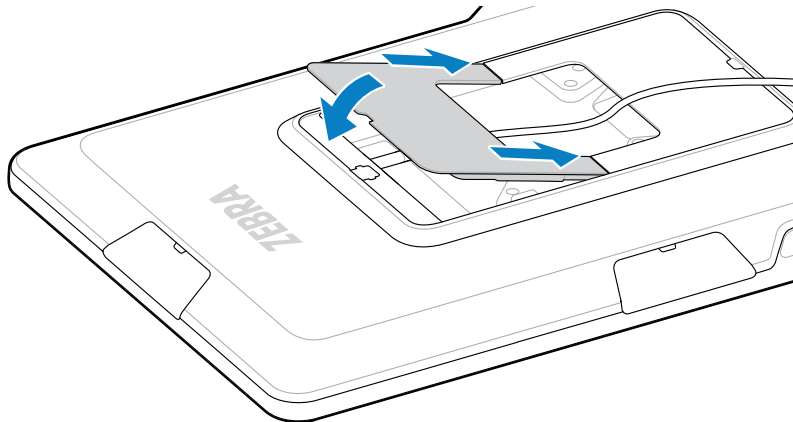


The device turns on when connected to a power supply.

4. Place the cover backs onto the device and press firmly until they click into place.



NOTE: Insert the cover marked 1 on the side of the device marked 1. Insert the cover marked 2 on the side of the device marked 2.



Mounting the KC50

The VESA-compliant mounting inserts on the back of the device allow you to mount the device in different ways based on your floor plan and system configuration.

The device includes M4 threaded inserts spaced in 75 mm (2.95 in.) and 100 mm (3.94 in.) squares. You can mount the device onto a VESA mounting plate or create mounting holes in a wall, cabinet, or desk to secure the device in place.

- Use the correct hardware to mount the device.

Kiosk Computer Stand	Refer to the SC-2000 Installation Guide. Use the included M4 screws to secure the device to the stand.
VESA mounting plate	Use the included M4 screws to secure the device to the VESA plate.
Other	Use M4 screws long enough to secure the device to your mounting solution.  CAUTION: The device should only be mounted by a trained professional to avoid the risk of fall injury.

- If you are not using the SC-2000 stand as a mounting solution, use good cable management practices to keep the cables inserted in the device. Use cable ties or hook and loop ties to secure the cables and prevent them from disengaging from the device.
- If you are attaching the Z-Flex scanner to the device, mount the device so that barcodes are comfortably placed 8 to 20 cm (3 to 8 in.) below the scanner.

Touch Display TD50

The TD50 is a monitor that accepts display data from a host device. It is an interactive device that accepts touch input from users.

TD50 Features

This section lists the features of the TD50.

Figure 3 TD50 Rear View with Back Cover Removed Features

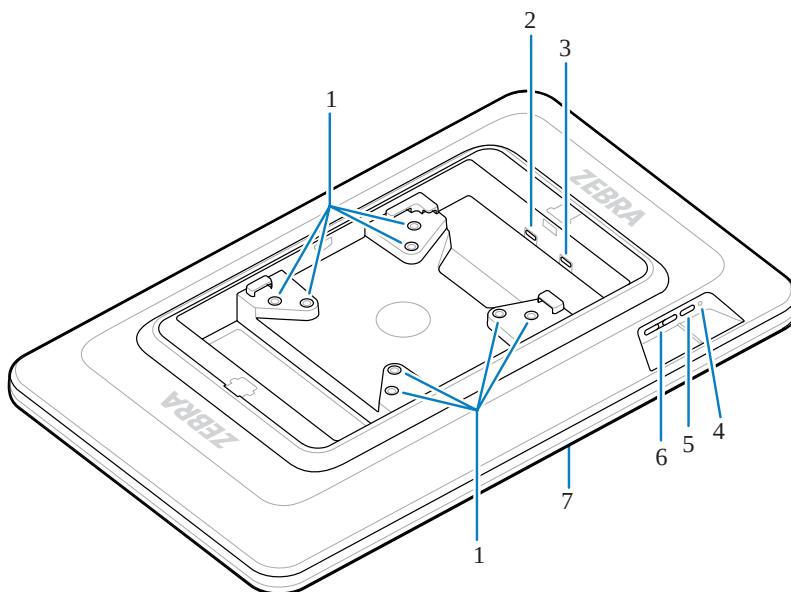


Table 3 Rear View Features

Number	Item	Description
1	VESA-compliant mounting inserts	M4 threaded inserts - 100 mm (3.94 in.) and 75 mm (2.95 in.) squares.
2	USB-C Port	Accepts power if the source device is insufficient to power the device.  NOTE: The KC50 provides sufficient power through the DP port.

Table 3 Rear View Features (Continued)

Number	Item	Description
3	USB-C Display Port	Accepts power and display information.  NOTE: Cable requirements: • USB 3.1 GEN 1 super speed data transmission. • Less than 2 meters in length. • Signal lines including SBU1, SBU2, CC1 and CC2. • The combined four pins of VBus and GND are capable of carrying a minimum of 2 A of current. The Zebra cable CBL-EC5X-USBC3A-01 is recommended for use with KC50.^a
4	Power LED	Displays device power status. • No Light - TD50 is powered off • Solid Green - TD50 is powered on
5	Power button	Turns the display on and off.
6	Brightness control buttons	Increases and decreases screen brightness.
7	Touch screen	Displays input from the host device and accepts touch input.

^a Other cables, such as Zebra TC2X/TC52/TN28 cables, do not have the necessary superspeed or other signal lines needed for the KC50 to function with the TD50 secondary monitor.

Connecting the TD50

The TD50 connects to the KC50 for a dual display configuration.

The USB-C cable needs to meet the following requirements:

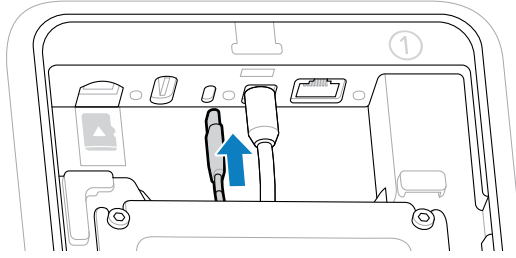
- USB 3.1 GEN 1 super speed data transmission.
- Less than 2 meters in length.
- Signal lines including SBU1, SBU2, CC1 and CC2.
- The combined four pins of VBus and GND are capable of carrying a minimum of 2 A of current.

These cable requirements ensure that the video display transmits to the TD50.



NOTE: The Zebra cable CBL-EC5X-USBC3A-01 is recommended for use with KC50.

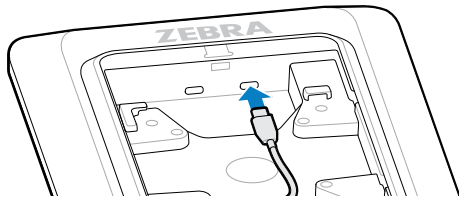
1. Connect a USB-C cable to the USB-C port on the KC50.



2. Connect the other end of the USB-C cable to the  port of the TD50. This port provides power and display input from the host device.



IMPORTANT: The TD50 screen will not turn on if the USB-C cable is connected to the wrong port. Ensure the cable is connected to the display port.

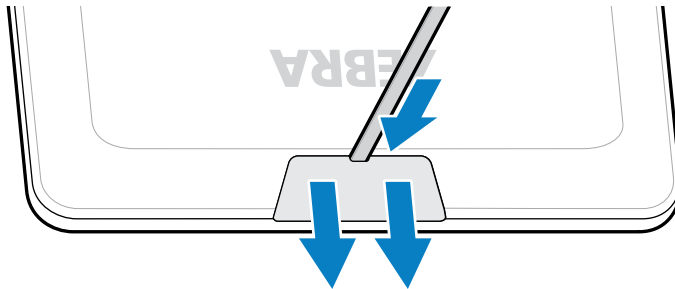


NOTE: Use proper cable management and tie-down practices in your installation to ensure the cables are not pulled out during final assembly and normal use.

Connecting the Z-Flex Scanner and Light Bar

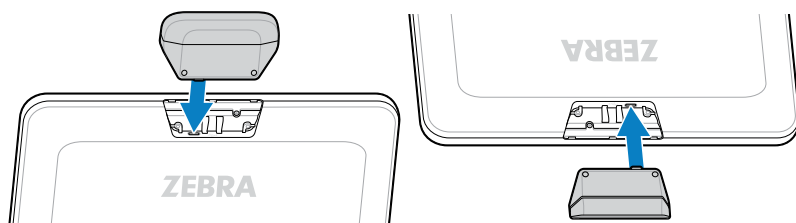
The optional Z-Flex scanner and light bar accessories enhance the device's usability applications. The scanner adds barcode scanning capability while the light bar provides quick visual feedback about the device based on app specifications.

1. Determine the desired position for the accessories. The modular design allows you to pick any one of the accessory ports to install the accessories.
2. Insert the MC18 removal tool in the accessory cover slot, and push the cover off of the device.

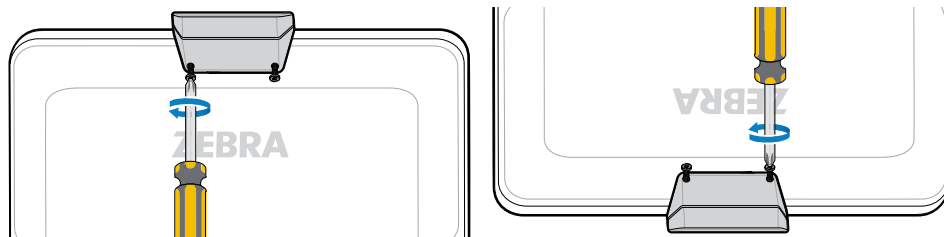


3. Align the connector with the port.

Setting up the Device



4. Press the accessory firmly until the connector is in place.
5. Secure the captive M2 screws with a Philips head screwdriver.



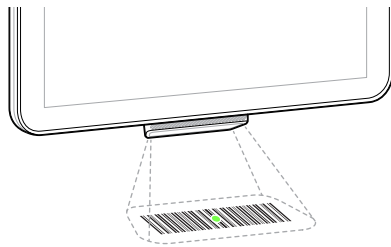
6. Repeat this process for all accessories.

Open a relevant app, such as DWDemo, to ensure that the accessories are powered and functioning. The Light bar behavior depends on the app and its settings.

Scanning Barcodes

Use the Z-Flex scanner to capture barcode data.

1. Open an app that enables the barcode scanner on the device.
2. Position the barcode 8 to 20 cm (3 to 8 in.) below the scan window, and ensure that the barcode is within the area formed by the aiming pattern. The green dot increases visibility in bright lighting conditions.

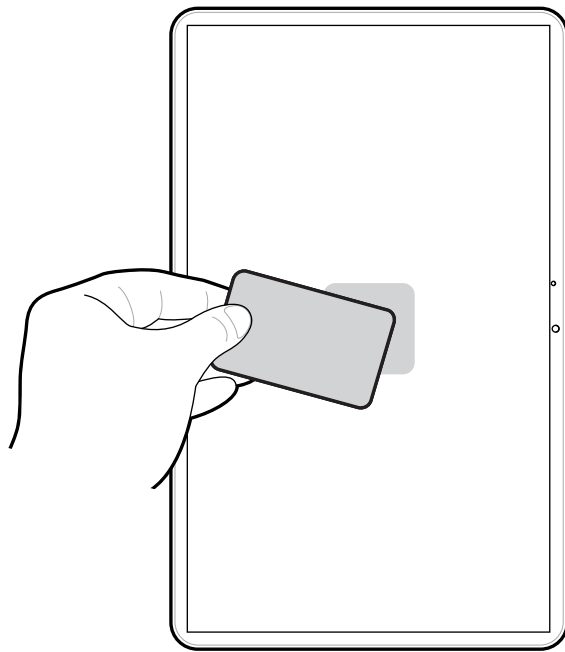


The device beeps, and the light bar illuminates to indicate a successful decode.

Reading NFC Cards

The KC50 supports reading NFC cards.

1. Open an app that supports NFC scanning.
2. Hold the NFC card near the antenna that is located at the center of the screen.



Indication of a successful card reading is app-dependent.

