

Oracle® MICROS mStation Scanner

Installing the mStation Wireless Scanner Kit

This MD describes the steps necessary to install the mStation Scanner Kit.

The kit consists of the Wireless Scanner, Dock, 2 Rechargeable AAA batteries, fasteners and barcode scan sheet.

Platform Requirements

To support the mStation scanner, a minimum of Platform Version 1.3 is required.

mStation Wireless Scanner and Dock

The mStation Wireless Scanner consists of a compact hand-held battery operated barcode scanner for portable operation and a Cradle or Dock for fixed operation and charging the Scanner batteries.

Figure 1 points out the Scanner and Dock features.

The Dock can be installed in one of two locations at the left or right rear of mStation. See Figure 2. The Dock interface cable connects to an IO panel USB Port.

When installed in the Dock, scan the bar code in Figure 5 to enter 'Presentation Mode.' Items to be scanned are placed in front of the Scan Window and scanned automatically. See Figure 7 for more information about using Presentation Mode.

When mobile, scan the barcode in Figure 6 to enter 'Trigger Mode' where the user initiates a scan by pressing the Trigger Button at the top scanner housing.

To change modes, scan the appropriate bar code on the next page.

In either mode, the Wireless Scanner sends the scanned data to the Dock using the Bluetooth Technology. The Dock converts Bluetooth to a virtual COM port over USB.

Platform Version 1.3 or later assigns the mStation Wireless Scanner to COM 7.

The Figure below points out the mStation Scanner and Dock features.

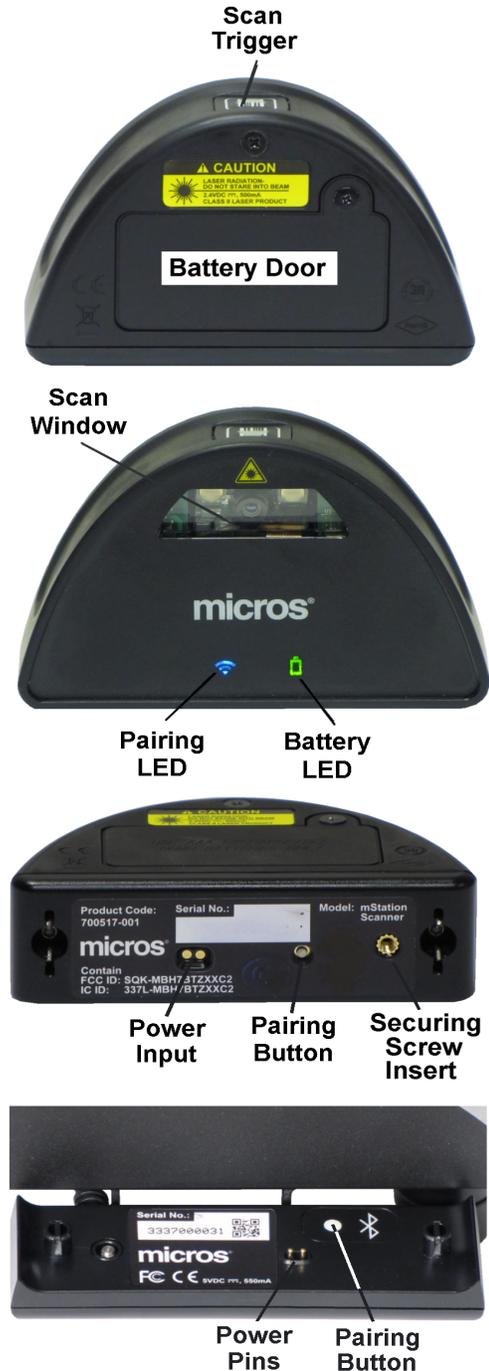


Figure 1: Scanner and Dock Features

Installation

1. Before installing any mStation peripheral, always remove mTablet and all cables including the AC power cable. Figure 2 below, shows the two locations on the bottom of the mStation chassis reserved for the Wireless Scanner Dock.

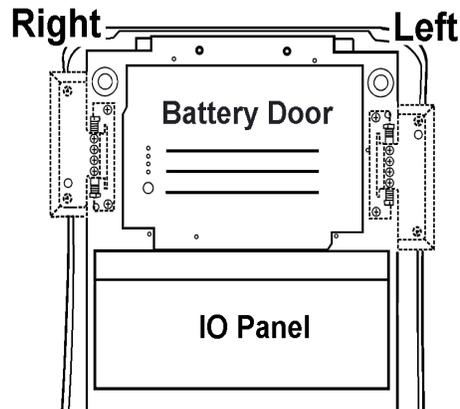


Figure 2: Dock Mounting Locations

2. Install the Scanner Dock in the selected location using the two fasteners supplied. On production units, the Dock bracket fasteners may be captive.

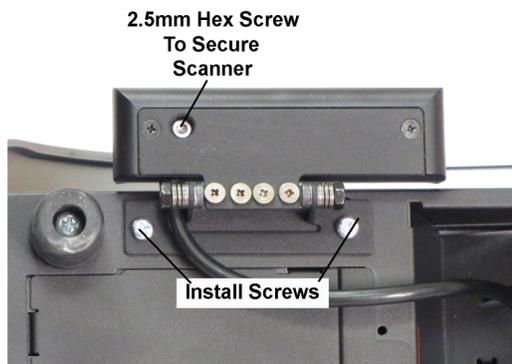


Figure 3: Installing the Dock

- o The Dock bracket is hinged so you can adjust the angle of the Scan Window towards the counter surface.

3. Connect the Dock USB Interface cable to any IO Panel USB connector.
 - o Secure the cable with the provided tie wrap.
4. Reconnect AC power to mStation, install mTablet and press the power button to start.
 - o mStation USB Ports are not active unless mTablet is installed and powered up.
5. Remove the Battery Door shown in Figure 1, point the scan window at the floor and install the supplied AAA batteries, noting the polarity marked on the battery holder.
 - o The Wireless Scanner emits a three-note (Low, Medium, and High) start-up sound. Avoid looking at the Scan Window. With Presentation Mode as default, the target and or illumination LEDs may turn on at any time. Place the Wireless Scanner on its Dock.
 - o If the start-up does not occur, check the battery orientation, or the batteries may need charging.
 - o To charge the batteries, place the scanner on the dock and observe the Battery LED shown in Figure 1. Solid Green indicates charging; blinking Green indicates fast charging. The Battery LED turns off when the batteries are fully charged.

NOTE: After installation, the scanner is not hot-swappable.

Pairing Procedure

- Figure 4 shows the location of the Scanner and Dock pairing buttons.



Figure 4: Pairing Buttons

- The Wireless Scanner and Dock are paired at the factory. The Pairing LED (shown in Figure 1) is solid Blue.
- If pairing is required, press the pairing button on the dock, then the pairing button on the Scanner.
 - If the Wireless Scanner will reside on mStation and operate in presentation mode, use the captive fastener on bottom of bracket as shown in Figure 3.
 - To use the Wireless Scanner in the default 'Presentation Mode', scan the barcode in Figure 5.



Figure 5: Presentation Mode Configuration

- To use the Wireless Scanner in 'Trigger Mode' scan the bar code in Figure 6.



Figure 6: Trigger Mode Configuration

- To restore the Wireless Scanner to its factory defaults, scan the bar code in Figure 8.
- The Wireless Scanner must be installed on the Dock to re-charge the internal batteries.

Pairing Notes

When the Wireless Scanner and Dock are paired, if the Wireless Scanner pairing button is pressed by accident, do not press the pairing button on the Dock. The Wireless Scanner and Dock will remain paired.

If the Wireless Scanner is moved out of range, the Pairing LED will start blinking to indicate pairing is lost. After moving back into range, pairing is automatically re-established after about one minute.

Operational Notes

When the Trigger Button is pressed, or an item is placed in front of the Scan Window, the Wireless Scanner generates a target 'cross-hair,' shown in Red below.

In Trigger mode, point the target cross-hair at the bar code. Best results are obtained when the bar code is between 2 and 3 inches (51mm - 76mm) from the Scan Window.

For fixed operation in Presentation Mode, leave a minimum of six inches directly in front of the Scan Window. Figure 7 shows the target cross-hair in Red and approximate scan area in Green. Based on the size of the item, most will scan between 1.5 to 5.5 inches (38mm to 140mm) in front of the Scan Window.

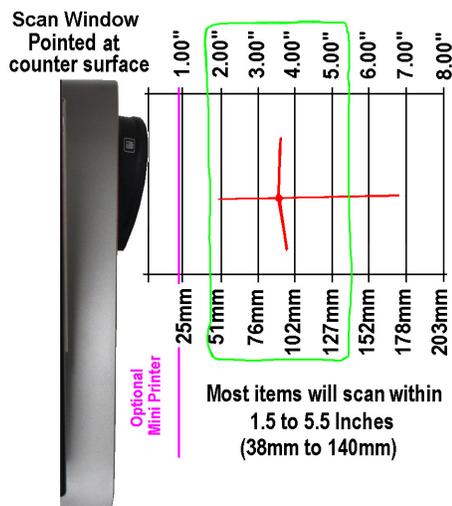


Figure 7: Presentation Mode Scan Area

Scanning the bar code in Figure 8 restores the Wireless Scanner to the factory defaults.



Figure 8: Restore Factory Defaults

The Wireless Scanner Factory Defaults are as follows.

- Presentation Mode
- RS232 Operation
 - RS232 defines the interface between the scan decoder and bluetooth radio module, not the mStation interface.
- Append a Carriage Return and Line Feed to each barcode.

The Wireless Scanner can be tested using the 'Device' selection of Diagnostics Version 3.5, part of Platform Version 1.3 or later.

Troubleshooting

- ❖ The scanner is not hot swappable. Only connect and disconnect the scanner from a workstation when the workstation is powered-off.
- ❖ For best results, use a high speed USB port whenever possible.
- ❖ If a unit becomes corrupt/non-working, disconnect the scanner from the workstation, remove the batteries from the scanner, put the batteries back in, and then reconnect it to a powered-off workstation.