

## Installation

The Barcode Scanner is preinstalled as an option.



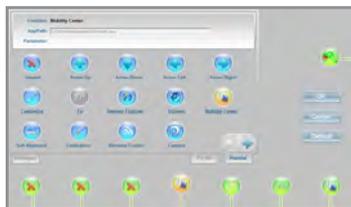
**Note:** The product outlook will look slightly different on different models.

## Button Management

The default scanner trigger button is on the right side.

To assign Scanner Trigger button, follow the procedures below.

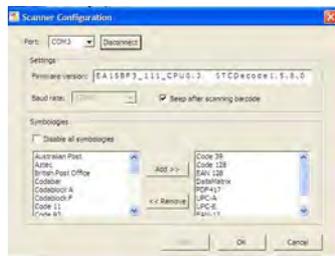
1. Start **Button Manager** by clicking on  in the system tray.
2. Select an available unused button marked with the icon .
3. Click on  to go to the second screen of **Button Manager**.
4. Click on the  icon to assign the **Scanner Trigger** to the unused button.
5. Click **OK** to apply configuration settings and close the window.



## Scanner Configuration

To **Add/Remove** Symbologies, follow the procedures below.

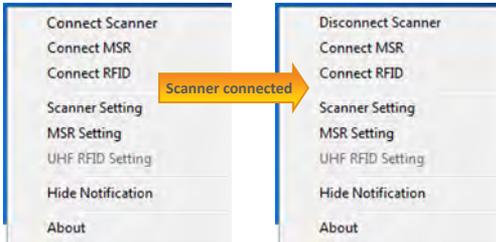
1. Launch **Scanner Config** from **Start | Computer | Local Disk (C:) | Program Files | DT Research | Button Manager**.
2. Select **COM3** and click **Connect** button.
3. **Add** Symbology with **Add >>** button and **Remove** Symbology with **<< Remove** button.
4. Select the **Beep after scanning barcode** checkbox to enable beep sound after scanning bar code or deselect it to disable the beep sound.
5. Click **OK** to apply the configuration settings and close the window.



**Note:** Add only the needed symbologies for best performance.

## To Connect Barcode Scanner Module

To connect the Barcode Scanner, use the WebDT Keyboard Wedge. Tap on the  icon in the task bar, a menu displays as shown in the picture below. Select Connect Scanner.



## To Test Barcode Scanner Module

1. Click **Start | All Programs | Accessories | WordPad** to run the WordPad.
2. Scan one of the several supported barcode Symbologies. The output will appear in the WordPad screen.
3. Verify the captured data.



## The Default Port Parameters for Barcode Scanner Module

<b>Port</b>	COM3
<b>Baud Rate</b>	57600
<b>Data Bits</b>	8
<b>Parity</b>	None
<b>Stop Bits</b>	1
<b>Flow Control</b>	None

## SPECIFICATIONS

<b>Scanning Performance</b>	<b>Scan rate</b>	<b>2D mode:</b> 56 images/s auto adaptive <b>Linear (1D)emulation mode:</b> 200 scans/s auto adaptive
	<b>Scan angle</b>	38.9° (Horizontal), 25.4°(Vertical)
	<b>Optical resolution</b>	752 (H) x 480 (V) pixels, 256 gray levels
	<b>Print contrast</b>	down to 25%
	<b>Versions</b>	Standard range and high density

Note: Specifications are subject to change without notice.



### Linear Imager Compliance and Precaution

This product complies with the following standards for laser and LED safety.  
IEC 60825-1 / EN 60825-1 - Class 1 LED Product



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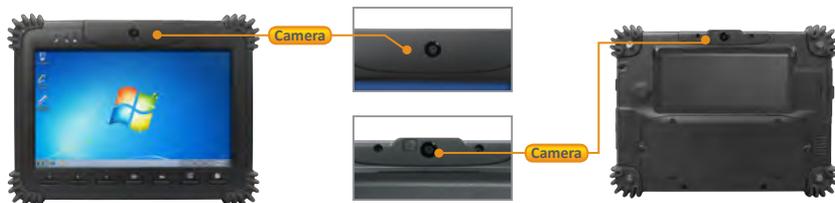
2000 Concourse Drive, San Jose, CA 95131 <http://www.dtresearch.com>

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## Installation

The CMOS Camera is preinstalled as an option.



**Note:** The product outlook will look slightly different on different models.

## Button Management

To assign Camera Trigger button, follow the procedures below.

1. Start **Button Manager** by clicking on  in the system tray.
2. Select an available unused button marked with the icon .
3. Click on  to go to the second screen of **Button Manager**.
4. Click on the  icon to assign the **Camera Trigger** to the unused button.
5. Click **OK** to apply configuration settings and close the window.

## To Test CMOS Camera Module

To test the CMOS Camera, launch **DTSMCap** from **Start | All Programs | DT Research | DTSMCap**.



- ▶ Click **Options | Preview** to start to capture the picture.
- ▶ Click on **Snap** or pre-assigned trigger button to take a picture.
- ▶ To capture the video, select **Capture | Start Capture** to start, and click **Stop Capture** to stop the video capture.

## SPECIFICATIONS

<b>Sensor</b>	CMOS sensor
<b>Resolution</b>	1600 x 1200, 1280 x 960, 1024 x 768
<b>Auto Focus</b>	Yes
<b>Automatic Image Control</b>	Automatic Exposure Control Automatic white Balance Control
<b>Focusing Type</b>	Auto focus
<b>Focus Distance</b>	10cm ~ ∞

Note: Specifications are subject to change without notice.



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# Mobile POS Tablet RFID Reader

## Installation

The RFID reader is preinstalled as an option.

## To Connect RFID Reader Module

To connect the RFID, use the **WebDT Keyboard Wedge**. Tap on the  icon in the task bar, a menu displays as shown in the picture below. Select **Connect RFID**.



**Note:** The product outlook will look slightly different on different models.

## To Test RFID Reader Module

1. Click **Start | All Programs | Accessories | WordPad** to run the WordPad.
2. Place an ISO card within range of the RFID tag (see reading range in specifications). The output will appear in the WordPad screen.
3. Verify the captured data.



## SPECIFICATIONS

Frequency	13.56MHz $\pm$ 7 KHz
Module Mode	FSK
Reading Range	Within 30mm
HF RFID Reader	ISO 15693,14443A(B), Felica UID



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## Mobile POS Tablet Magnetic Stripe Reader

### Installation

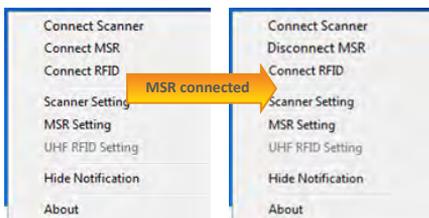
The Magnetic Stripe Reader (MSR) is preinstalled as an option.

**Note:** The product outlook will look slightly different on different models.



### To Connect Magnetic Stripe Reader Module

To connect the Magnetic Stripe Reader, use the WebDT Keyboard Wedge. Tap on the  icon in the task bar, a menu is displayed as shown in the picture to the right. Choose Connect MSR.



### To Configure MSR

For a magnetic stripe card, the raw data in each data track may contain start and end sentinel characters. To remove those characters, you can select the MSR Setting command to parse input raw data and filter out the start and end sentinel characters on each track.

1. Click **MSR setting** in the WebDT Keyboard Wedge menu, and the **Msr parse Format Setting** window will be displayed.

2. Choose Enable in the Parse Data section.

Choose data you want to parse at the start or end of each track.

For Example:

Check Track 1

- In Start Sentinel Character, select %
- In End Sentinel Character, select ?

3. Click **OK** to complete the settings



## To Test Magnetic Stripe Reader Module

1. Click **Start | All Programs | Accessories | WordPad** to run the WordPad.
2. Swipe a magnetic stripe card through the module. The output will appear in the **WordPad** screen.
3. Verify the captured data.

## Default Port Parameters for Magnetic Stripe Reader Module

<b>Port</b>	COM2
<b>Baud Rate</b>	19200
<b>Data Bits</b>	8
<b>Parity</b>	None
<b>Stop Bits</b>	1
<b>Flow Control</b>	None

## SPECIFICATIONS

<b>Reference Standards</b>	- ANSI/ISO Standards 7810, 7811-1/6, 7812 & 7813 - JIS X6301, X6302 - AAMVA
<b>Recording Method</b>	Two frequency coherent phase (F2F)
<b>Decoding Method</b>	ISO Track1: IATA, Track2: ABA, Track3: THRIFT JIS: JISI-Tk1, TK2; JISII-Tk NTT AAMVA
<b>Card Swiping Direction</b>	Bi-directional
<b>Card Swiping Speed</b>	Card speed through the unit may vary from 3ips to 100ips (7cm/s to 250cm/s)
<b>Life</b>	Electronics 125,000 hours Head 1,000,000 passes

Note: Specifications are subject to change without notice.



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