

oDynamo

SCRA OEM Devices MTCMSNET Demo Guide



May 2018

Manual Part Number: D998200166-10

REGISTERED TO ISO 9001:2015

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Table 0.1 – Revisions

Rev Number	Date	Notes
10	May 21, 2018	Initial release

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1 Introduction

This document provides the instructions to use the MTCMSNET Demo. It is part of a larger library of documents designed to assist oDynamo implementers, which includes the following documents available from MagTek:

• D998200160 ODYNAMO PROGRAMMER'S REFERENCE MANUAL (MICROSOFT .NET)

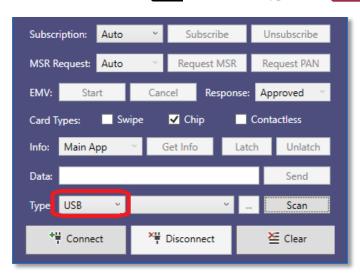
2 How to Connect with the MTCMS .NET Demo

To connect to the oDynamo, follow these steps.

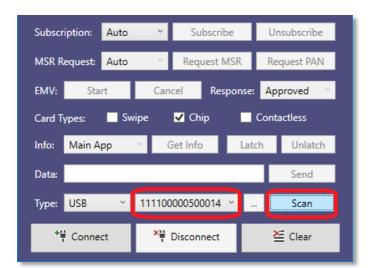
2.1 Connect via USB Interface

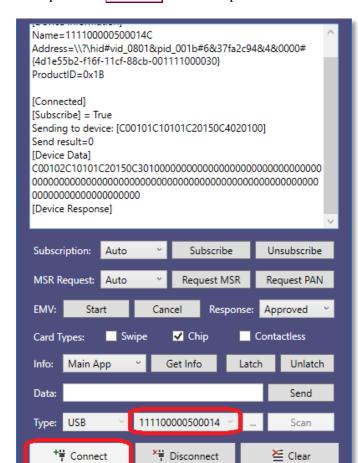
To set up the USB interface with oDynamo on Windows PC, follow these steps:

- 1) Connect the oDynamo to the USB port of the Windows PC. Connect the power cable to the oDynamo and wait 1 minute for the device to fully boot up.
- 2) Launch the MTCMSNET Demo and select **USB** as the device type in the **Type** list box.



3) Press the **Scan** button to scan for connected USB devices.





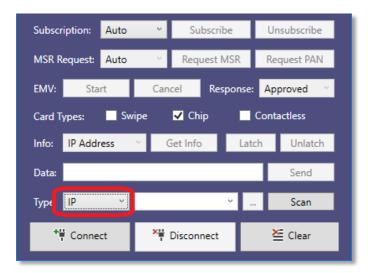
4) Select the Device ID and press the **Connect** button to open the device.

5) If Ethernet interface will be used, select **IP Address** from the **Info** list box and press the **Get Info** button. Note the value retuned from the response as this will be used for the IP Address when connecting via Ethernet Interface.

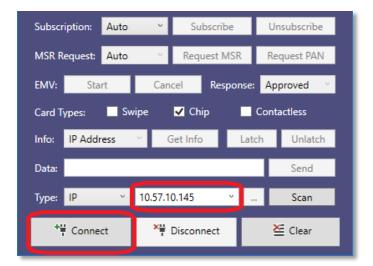
2.2 Connect via Ethernet Interface

To set up the Ethernet interface with oDynamo on Windows PC, follow these steps:

- 1) Connect the oDynamo to the Ethernet port on the Ethernet hub, connect the power cable to the oDynamo and wait 1 minute for the device to fully boot up.
- 2) Launch the MTCMSNET Demo and select **IP** as the device in the **Type** list box.



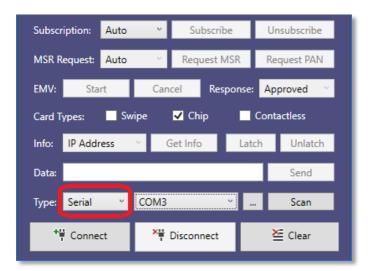
3) Enter the IP address attained from the last step from connection via USB Interface section **2.1**, then press the **Connect** button to open the device. The MTCMS NET Demo may take up to 30 seconds before disconnecting if the device cannot be connected.



2.3 Connect via Serial Interface

To set up the Serial interface with oDynamo on Windows PC, follow these steps:

- 1) Connect the oDynamo to the Serial port, connect the power cable to the oDynamo and wait 1 minute for the device to fully boot up.
- 2) Launch the MTCMSNET Demo and select **Serial** as the device in the **Type** list box.



3) Select the **COM** number the device is attached to and press the **Connect** button to open the device.

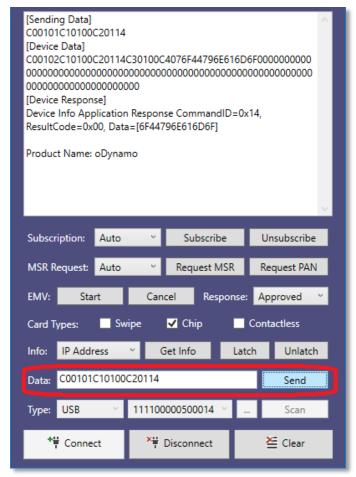


3 How to Use the MTCMS .NET Demo

To use the MTCMS .NET Demo, follow these steps.

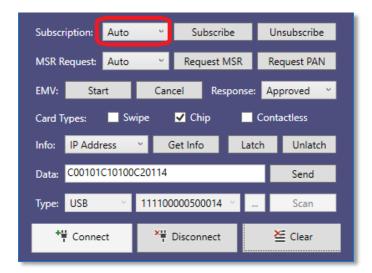
3.1 Send Command

1) To send a command to the device, enter the command in the command text box and press the **Send** button.

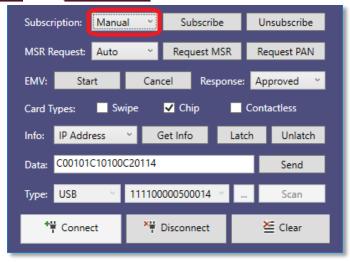


3.2 Message Subscription

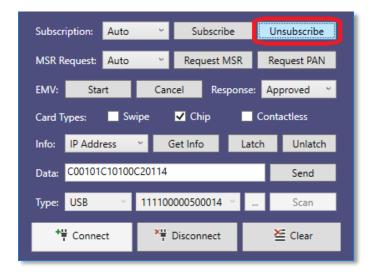
1) To enable the MTCMS .NET Demo to receive message notifications, the Demo needs to first subscribe to messages. Select **Auto** in the **Subscription** list box to enable the Demo to Subscribe after connecting to the device.



2) To stop the Demo from automatically subscribing to message notifications after connecting to a device, select **Manual** in the **Subscription** list box.

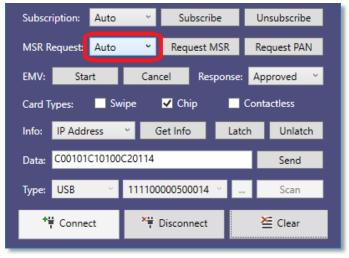


3) To disable the MTCMS .NET Demo from receiving message notifications from the currently connected device, first connect to the device and then press the **Unsubscribe** button.

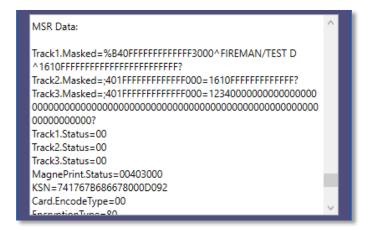


3.3 MSR Auto

1) To automatically display magnetic stripe data after a card swipe, select **Auto** in the **MSR Request** list box. This step needs only be done once on the currently connected device.

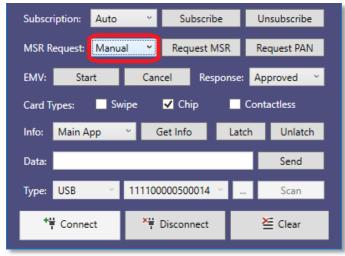


2) Insert and remove a card from the device. The magnetic stripe data will be displayed in the status box.

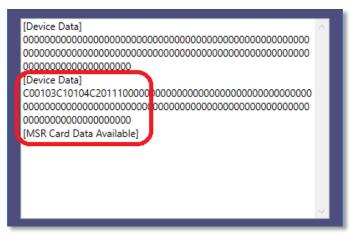


3.4 MSR Manual

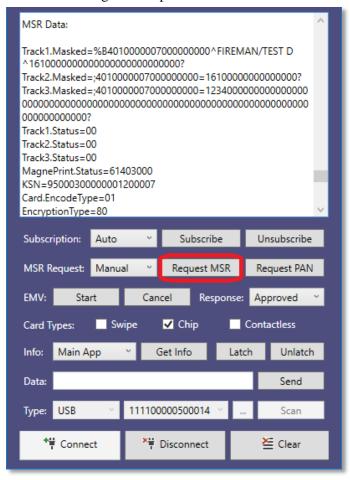
1) To manually display magnetic stripe data after a card swipe, select **Manual** in the **MSR Request** list box. This step needs only be done once on the currently connected device.



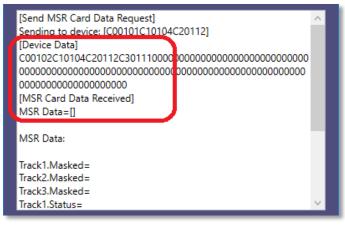
2) Insert then remove a magnetic stripe card from the device. A notification will inform that MSR card data is available.



3) Within 5 seconds of this notification (the device's MSR data retention period), press the **Request**MSR Data button to receive the magnetic stripe data.

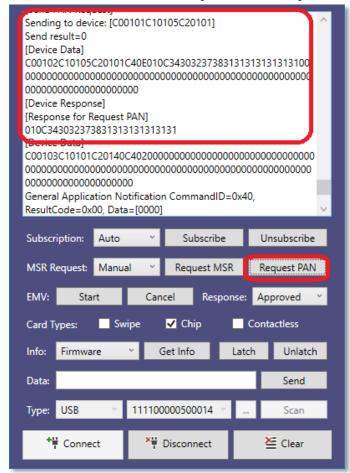


4) If a manual request is not sent in time, the display will show empty data fields because the response has no magnetic stripe data.



3.5 Request PAN

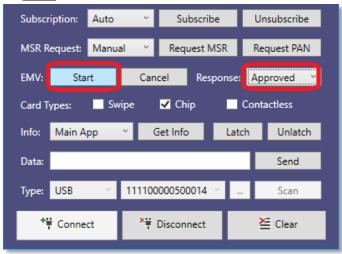
1) To request that PAN data, press the **Request PAN** button immediately after pressing the **Request** MSR button.



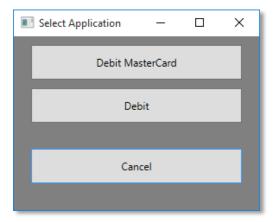
Example sequence: Insert card > Remove card > Request MSR > Request PAN.

3.6 EMV Transaction

1) To perform an EMV transaction, insert the chip card, select the desired response from the **Response** list box, then press the **Start** button.



2) Follow any instructions for application or language selection.



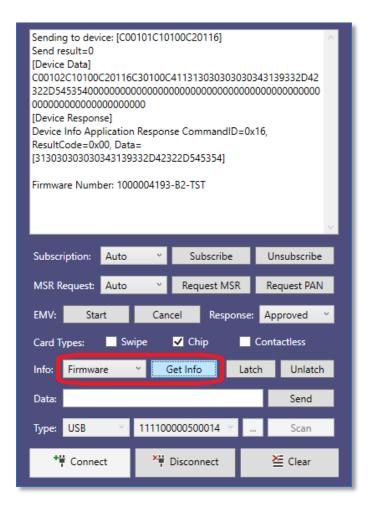
3) After the transaction, the status will be displayed.



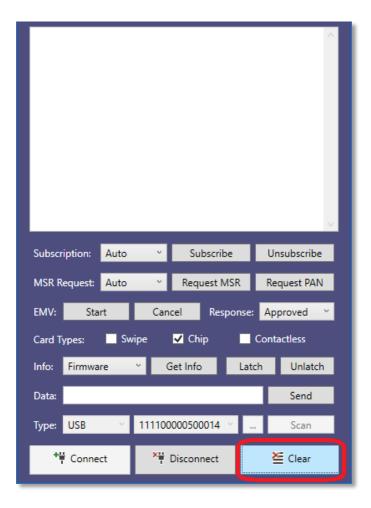
4) To cancel the EMV transaction, press the **Cancel** button. Please note that the cancel feature will only work before the card is inserted (Not supported at this time).

3.7 Device Info

1) To view the device information, select the desired information from the **Info** list box, then press the **Get Info** button. An example of requesting Firmware information is shown below.



2) To clear the screen, press the **Clear** button.



3) To close the device, press the **Disconnect** button.



3.8 Latch/Unlatch

1) To demonstrate card Latch and Unlatch, press the **Latch** button and listen for an audible click. Now press the **Unlatch** button and listen for an audible click.

