Honeywell

Dolphin™ 9700-MSCR

Magnetic Stripe and Smart Card Reader

Quick Start Guide

97-MSCR-QS Rev A
12/10

Introduction

The Magnetic Stripe and Smart Card Reader (MSCR) for the Dolphin 9700 enables easy data capture with the swipe of a magnetic stripe card or smart card insertion. The MSCR snaps onto the bottom panel of the Dolphin terminal for easy installation or removal.

Software Requirements

Before you connect the Dolphin terminal to the 9700-MSCR, make sure you have the most current software installed. To check the terminal's system information, tap **Start > Power Tools > SysInfo**.

The kernel version must be 20.01 or later in terminals running Windows Mobile 6.5 Classic. In terminals running Widow Mobile 6.5 Professional, the kernel version must be 21.01 or later. *Service pack version 7* or later is required.
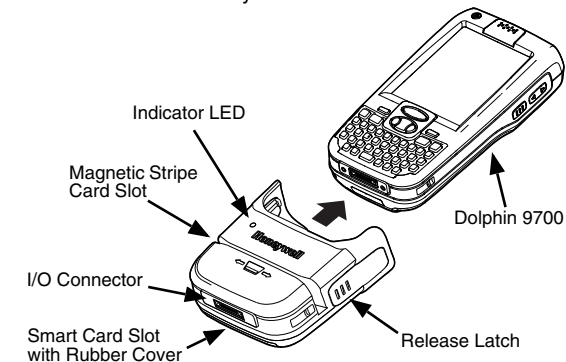
D9700 MSCR Demo Application

Not all Dolphin 9700 terminals are equipped with the D9700 MSCR Demo application. For download and installation instructions, see Installing the MSCR Demo Application, in this quick start guide.

Application Developer Note

For maximum battery performance, turn off power to the 9700-MSCR when the module is not in use.

Attaching the MSCR to the Dolphin

1. Press the Power key to put the terminal in Suspend mode.
2. Remove the stylus from the Dolphin 9700 stylus slot and store it in the stylus loop on the hand strap.
3. Slide the MSCR onto the terminal until the MSCR snaps in place.

    Note: To improve unit grip and reduce the possibility of accidental drop, Honeywell recommends using the supplied hand strap while operating the terminal with the MSCR attached.

4. Press the Power key to wake the terminal.

Indicator LED

Magnetic Stripe Card Slot

I/O Connector

Smart Card Slot with Rubber Cover

Dolphin 9700

Release Latch

MSCR LED Indicator

The single LED indicator located on the top surface of the MSCR housing denotes the communication status and the selected function (i.e., Magnetic Stripe Reader or Smart Card Reader).

This color	and status	means . . .
Green	active	Green LED activity indicates the Magnetic Card function is selected.
	Slow Flashing	The MSCR has power and is idle.
	Solid	A magnetic stripe card is being swiped/read.
	Fast Flashing	The MSCR has successfully read the magnetic card.

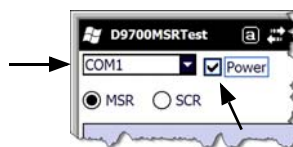| This color	and status	means . . .
Yellow	active	Yellow LED activity indicates the Smart Card function is selected.
	Slow Flashing	The MSCR has power and is idle.
	Fast Flashing	The Dolphin is performing smart card read/write operations.

Using the MSCR Demo Application

You can use the MSCR Demo application to verify that the Dolphin 9700 terminal can receive data from the MSCR.

Starting the MSCR Demo Application

1. On the Dolphin terminal, tap **Start > File Explorer > My Device > Program Files > D9700 MSCR Demo > D9700MSCRTest.**

    Note: Not all Dolphin 9700 terminals are equipped with the D9700 MSCR Demo application. For download and installation instructions, see Installing the MSCR Demo Application, in this quick start guide.

2. Connect the MSCR to the Dolphin terminal.
3. Verify **COM1** is selected from the pull down menu.
4. Check the box next to, **Power**.

    Note: The LED indicator on the MSCR emits a single long green flash and then flashes approximately every three seconds. By default, the Magnetic Stripe Reader function is activated when power is supplied to the MSCR.

Testing the Magnetic Stripe Reader

1. Swipe a magnetic stripe card. The green LED stays illuminated for the duration of the swipe.

Note: You can swipe the card from either the left or the right. Make sure the magnetic stripe of the card is facing down, toward the I/O connector as shown.

2. The LED rapidly flashes green four times to indicate a good read. The data from the card appears on the terminal's screen.

    Note: If the LED does not flash, the card swipe was not successful.
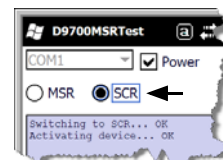
Testing the Smart Card Reader

1. Remove the Rubber Cover protecting the smart card slot.

    Note: Do not discard the rubber cover. The cover protects the smart card slot when not in use.
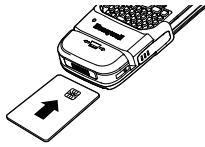

2. Select **SCR**. The LED indicator changes to yellow, emits a single long flash, and then flashes every 3 seconds.

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3. Insert a smart card into the slot below the serial port. Do not remove the smart card from the reader.
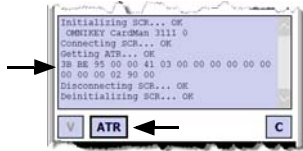
   Note: Make sure the contacts of the card are facing up, toward the keypad on the terminal.

4. Tap the **ATR** button in the D9700MSRTest window.

   Note: The yellow LED rapidly flashes during data collection. If the LED does not flash rapidly, the MSCR is not accessing the data on the smart card.

5. The data from the card appears on the terminal's screen.

```
Initializing SCR... OK
OMNIKEY CardMan 3111 0
Connecting SCR... OK
Getting ATR... OK
3B BE 95 00 00 41 03 00 00 00 00 00 00
00 00 00 02 90 00
Disconnecting SCR... OK
Deinitializing SCR... OK
```

Installing the MSCR Demo Application

Not all Dolphin 9700 terminals are equipped with the D9700 MSCR Demo application. To download and install the application:

1. Go to www.honeywellaidc.com. Select **Support > Downloads**. Click **Software** and then select **DOLPHIN9700** from the product list.

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2. Download the **Honeywell D9700 MSCR Demo.cab** file to the workstation.

3. Connect the terminal to the workstation using a Honeywell communication peripheral.

4. Open **ActiveSync** and click **Explore**.

5. Click on the **My Windows Mobile-Based Device** folder and copy the downloaded file to the **IPSM > Autoinstall** folder on the terminal.

6. Do one of the following:

   - Tap on the **Honeywell D9700 MSCR Demo.cab** inside the **Autoinstall** folder to install the application.
   - Press and hold the **RED** + **ENT** keys on the terminal to perform a hard reset (cold boot). The application will install as part of the Autoinstall process that occurs during each hard reset.

   Note: A hard reset erases all of the data stored in RAM memory and all RAM installed applications!

Using ScanWedge to Test the MSCR

ScanWedge is a utility on Dolphin Terminals that can send data received from the decoder, serial port, or IrDA interface to the foreground application. The foreground application is the open software application whose window is currently active on the screen.

Note: The ScanWedge utility does not support smart card reading.

Set Up and Start ScanWedge

1. Tap **Start** > **File Explorer**. Navigate to the **IPSM** folder.

2. Tap on the **ScanWedge.exm** file to open it.

3. Drill down to the **Comm** folder.

4. Locate the Key column near the bottom of the screen. Tap and hold on **Enable**.

5. Select **Modify**. Set the Value to Enable.

6. Tap **OK** on the Navigation Bar.

7. Using the same procedure in steps 4 through 6, set the **BaudRate** to 9600 and **PowerOut** to Enable.

8. Tap **OK.**

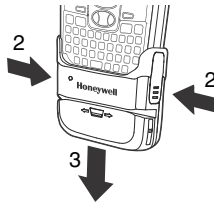9. Tap **Start** > **Power Tools** > **ScanWedge.**

Test Swipe a Magnetic Stripe Card

1. Tap **Start** > **Notes.**

2. Swipe a magnetic stripe card. The green LED stays illuminated for the duration of the swipe.

   Note: You can swipe the card from either the left or the right. Make sure the magnetic stripe of the card is facing down, toward the I/O connector.

3. The LED rapidly flashes green four times to indicate a good read. The data from the card appears on the terminal's screen.

Removing the MSCR from the Terminal

1. Press the Power Key to put the Dolphin terminal in Suspend mode.

2. Press in the release latches located on the left and right sides of the MSCR.

3. Slide the MSCR off the terminal base.

Charging the Terminal

The MSCR facilitates cradle and cable charging of the Dolphin 9700 while attached to the bottom of the terminal.

The MSCR is compatible with all Dolphin 9700 charging cables, and the 9700 HomeBase™, ChargeBase™, eBase™, and Net Base.

Note: The Dolphin 9700 with an attached MSCR cannot be used with the Dolphin 9700 Mobile Base or Mobile Mount peripherals. If you are using one of these peripherals, you can temporarily snap-fit the MSCR to the terminal to swipe cards, then remove the MSCR to connect the terminal to the peripheral.

Technical Assistance

Contact information for technical support, product service, and repair can be found at www.honeywellaidc.com.

User Documentation

Refer to www.honeywellaidc.com for detailed user documentation or for localized versions of this Quick Start.

Patents

For patent information, please refer to www.honeywellaidc.com/patents.

Limited Warranty

Refer to www.honeywellaidc.com/warranty_information for your product's warranty information.

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