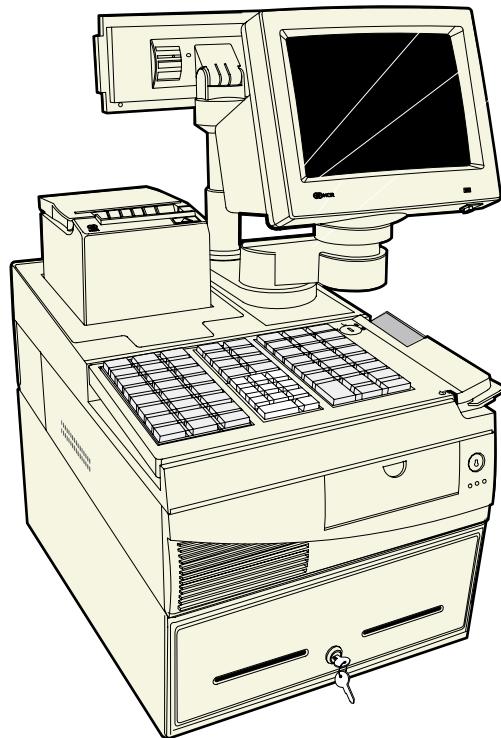


# NCR RealPOS™ 80c (7456)

Release 1.3

## User's Guide



B005-0000-1359

Issue F

---

# Table of Contents

## Chapter 1: Product Overview

Introduction .....	1-1
Configurations .....	1-3
Modular Configuration .....	1-3
Unified Modular Configuration.....	1-3
Integrated Configurations.....	1-4
Operator Controls .....	1-7
Serial Number/Model Number Label .....	1-8
Features .....	1-9
Processor Board .....	1-9
Peripheral Integration Tray.....	1-10
4-Port USB Daughter Card w/Audio .....	1-10
6-Port USB Daughter Card w/Audio .....	1-11
ATX Riser Card.....	1-11
Storage Media .....	1-11
Power Supply.....	1-12
Operating Systems .....	1-12
UPS .....	1-12
Power Management.....	1-13
Definitions of the states involved.....	1-14
Operator Displays.....	1-19
5964 12.1-Inch Touch Screen .....	1-19
5942 12.1-Inch Color LCD.....	1-21
7452-K419 15-Inch Color CRT .....	1-22
NCR 5982 5-Inch LCD Display .....	1-22
NCR 5953 12.1-Inch DynaKey .....	1-23

NCR 5932 Keyboards .....	1-24
109-Key USB Keyboard .....	1-24
115-Key PS/2 Big Ticket Keyboard.....	1-27
68-Key PS/2 POS Keyboard.....	1-27
NCR 5972 2x20 Remote Customer Display .....	1-31
Features .....	1-31
NCR 5973 2x20 International VFD Customer Display .....	1-32
Features .....	1-32
Printers .....	1-33
NCR 7158 Printer.....	1-33
NCR 7162 Printer.....	1-34
NCR 7167 Printer.....	1-35
NCR 7197 Printer.....	1-36
System Configuration Diagram .....	1-37
Wireless Network .....	1-38
Introduction to Using Access Points.....	1-38

## Chapter 2: Hardware Installation

Introduction .....	2-1
Installation Restrictions .....	2-1
Hardware Installation .....	2-2
Installing the Integration Tray .....	2-3
Installing the Keyboard.....	2-7
Keyboard and Mouse Connections.....	2-8
Dual Port Keyboard/Mouse Installation .....	2-9
Mouse Installation Restrictions .....	2-9
Installing the Transaction Printer .....	2-10
Installing the Transaction Printer .....	2-11
USB Installation .....	2-11

---

RS-232 Installation w/Power from Powered USB.....	2-12
Installing the Integrated Operator Display .....	2-13
Installing an NCR 5964/5953/5942 Operator Display .....	2-14
Installing the Operator Display on an Enhanced Integrated Mount.....	2-15
Installing the Operator Display on an Standard Integrated Mount.....	2-19
Operator Display Cable Connections .....	2-22
NCR 5964 12.1-inch Touch LCD .....	2-22
DVI Connections .....	2-23
RS-232 Connections .....	2-24
5942 12.1-Inch LCD Monitor.....	2-25
CRT.....	2-26
5953 DynaKey .....	2-27
5952 DynaKey .....	2-32
NCR 5982 5-Inch Operator Display .....	2-33
Installing the Integrated Customer Display .....	2-37
Installing an NCR 5964 12.1-Inch Touch LCD .....	2-39
DVI Connections .....	2-40
RS-232 Connections .....	2-41
Installing a 5942 12.1-Inch LCD Monitor.....	2-42
Installing a CRT.....	2-43
Installing a Remote 5953 DynaKey.....	2-44
Installing a Remote Table Top USB DynaKey (5964-K030/K031/K032/K033).....	2-45
Connecting the USB DynaKey Cables.....	2-47
Installing a 5952 DynaKey .....	2-48
Installing an NCR 5982 5-Inch Operator Display .....	2-49
Installing the PCI LCD Board (5952-052).....	2-49

Connecting the 5982 Display to the Terminal.....	2-50
Installing a Secondary CRT Display (Dual Display).....	2-51
Installing the Hardware.....	2-51
Supported Configurations by Operating System .....	2-52
Possible Dual Display Hardware Configurations .....	2-52
Installing the Displays.....	2-53
Configuring the Software for Dual Display.....	2-55
Installing an NCR 5972 Remote Customer Display .....	2-56
Installing an NCR 5973 Remote Customer Display .....	2-58
Customer Display Cable Connections.....	2-59
Installing a Cash Drawer .....	2-60
Installing a Second Cash Drawer .....	2-61

### Chapter 3: Setup

Introduction .....	3-1
Entering Setup Using a Keyboard.....	3-1
How to Select Menu Options.....	3-1
Restoring Factory Settings.....	3-2
Special DynaKey Keypad Mode.....	3-2
Normal DynaKey Keypad Operating Mode .....	3-4
Disabling Resources .....	3-5
BIOS Default Values.....	3-5
Main Menu .....	3-5
Advanced Menu .....	3-9
Security Menu.....	3-13
Power Menu .....	3-13
Boot Sequence .....	3-13

---

**Chapter 4: Operating System Recovery**

Introduction .....	4-1
Prerequisites.....	4-1
Connecting an External Backpack CD-ROM Drive .....	4-2
Updating Procedures .....	4-3
Completing the OS Installation (Windows 2000) .....	4-5
Completing the OS Installation (Windows NT 4.0) .....	4-5
Completing the OS Installation (Windows EXe) .....	4-6
Completing the OS Installation (DOS).....	4-6
Gold Disk Contents.....	4-7
NCR 7456/58 Windows 2000 Operating System Recovery Software (LPIN: D370-0536-0100).....	4-7
NCR 7456/58 Windows NT 4.0 Operating System Recovery Software (LPIN: D370-0564-0100).....	4-10
NCR RealPOS 80/80c Windows XPe Operating System Recovery Software (LPIN: D370-0570-0100) .....	4-13
OS Recovery from a Larger Disk Image .....	4-15

**Chapter 5: BIOS Updating Procedures**

Introduction .....	5-1
Prerequisites.....	5-1
Connecting an External Backpack CD-ROM Drive .....	5-2
Updating Procedures .....	5-3
BIOS Crisis Recovery .....	5-5
Recovery Procedures.....	5-6
Cable/Connector Pin-Out Information .....	5-9

**Chapter 6: Memory Dump**

General Memory Dump Information.....	6-1
--------------------------------------	-----

BIOS Requirements .....	6-1
Disk Format.....	6-2
Supported Operating Systems.....	6-3
Summary of Operating Systems .....	6-3
Prerequisites.....	6-4
Windows XP/2000 .....	6-4
Windows NT.....	6-5
DOS Memory Dump Specifics .....	6-6
Dump Process Overview.....	6-6
Restrictions and Limitations .....	6-6
Performing the Memory Dump.....	6-9
Configuring the Terminal .....	6-9
Dump Procedure.....	6-10
Tunes/Tones .....	6-11
Moving the Files to Hard Disk and Reassembling.....	6-13
Flow Chart.....	6-14
Memory Dump Assembler.....	6-16

#### Appendix A: Retail Keyboard Key Layouts

68-Key Keyboard.....	A-1
68-Key Keyboard Special Keypad Mode .....	A-3
Special PC Setup Keypad Mode Activated (68-Key Keyboard).....	A-4
DynaKey .....	A-5
Special DynaKey Keypad Mode .....	A-5
Normal DynaKey Keypad Operating Mode .....	A-7
5932 USB Keyboard.....	A-8

---

Appendix B: Feature KitsAppendix C: Cables

Printer Cables .....	C-1
Scanner Cables.....	C-3
7872 or 7875 Scanner/Scale (RS-232) .....	C-3
7892 Scanner (Powered RS-232) .....	C-3
7882 Scanner (Powered RS-232) .....	C-3
7837 Scanner (Powered RS-232) .....	C-4
7837 Scanner (RS-232, External Power) .....	C-4
Display Cables.....	C-5
VGA Display, Mono.....	C-5
VGA Display, Color .....	C-5
CRT AC Power Extension .....	C-5
5982 5-Inch LCD .....	C-6
5953 DynaKey .....	C-6
5953 DynaKey w/Insert .....	C-6
Wedge Keyboard Y-Cable.....	C-7
5972 VFD Customer Display (Powered RS-232) .....	C-7
DVI to DVI.....	C-7
PS/2 - RS-232 & Power .....	C-8
Wedge Keyboard Adapter .....	C-8
LCD Power Cable (USB).....	C-8
Cash Drawer Cables .....	C-9
Dual Cash Drawer, Y-Cable.....	C-9
Cash Drawer, Extension Cable .....	C-9
Communications Cable.....	C-9
Ethernet, 10/100BaseT .....	C-9
Keyboard Cables .....	C-10

PS/2 Keyboard Extension .....	C-10
PS/2 Y-Cable .....	C-10
Signature Capture/Electronic Payment Terminal Cable .....	C-11
5945/5992 EPT (RS-232 w/Power).....	C-11
Power Cables .....	C-11
AC Power.....	C-11

#### Appendix D: Memory Maps

DOS Considerations .....	D-2
Non-TAPS DOS Environment .....	D-3
TAPS DOS Environment .....	D-3

This is a “Table of Contents preview” for quality assurance

The full manual can be purchased from our store:

[https://the-checkout-tech.com/manuals/ncr/7456 RealPOS 80c user manual.html](https://the-checkout-tech.com/manuals/ncr/7456%20RealPOS%2080c%20user%20manual.html)

And our free Online Keysheet maker:

<https://the-checkout-tech.com/Cash-Register-Keysheet-Creator/>

[HTTPS://THE-CHECKOUT-TECH.COM](https://THE-CHECKOUT-TECH.COM)