

**Sprint® Digital Voice  
Models DVP-203 & DVP 403**

**Sales Guide for  
Software Release 1.23**

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## Supported Systems

Starting with software version 1.23, the Digital Voice (DVP) voice mail system supports and provides built-in integration for the following phone systems:

| <i>Telephone System</i>      | <i>Hardware/Software Requirements</i> <sup>Ⓞ</sup>   |
|------------------------------|--|
| Protegé® 3x8/616             |  |
| Protegé® CTX/MTX/LTX         |  |
| Landmark                     | DKS50 Analog Adapter<br>T50DKS Power Supply<br>K12UW0.F08 or higher  |
| Lucent Partner ACS           | Processor R3.1 Module<br>Station/Line 206 Module R3.1 or higher  |
| Lucent Merlin Legend         | Processor 517C7 Module<br>Feature Module 517G6 Release 3<br>Ring Generator<br>Basic Telephone (012) Module 517C13  |
| Lucent Partner Plus          | Processor R3.1 Module<br>Station/Line 206 Module R3.1 or higher  |
| Lucent Partner II            | Processor R3.1 Module<br>Station/Line 206 Module R3.1 or higher  |
| Lucent System 25             | CPU/MEM Card ZTN129, ZTN130, or ZTN142<br>ZTN78 Tip and Ring Line Card (all versions) or ZTN742 Analog Line Card (version 17 or higher)<br>Version R2 or higher                        |
| Lucent Merlin II             | Processor 517C7 Module<br>Feature Module 517G6 Release 3<br>Ring Generator<br>Basic Telephone (012) Module 517C13  |
| Mitel SX-50                  | ONS Line Card, part number 9104-020-002<br>LS/GS Line Card, part number 9104-030-004<br>Software: Generic MS55-MR5-PR5-G07.11 or higher. Voice Support software version 6.0 or higher. |
| Mitel SX-200/SX-200D/SX-2000 | ONS Line Card, part number 9109-010-000FA<br>Software: Generic 1004 or higher. Lightware 15 or higher.   |
| Electra Pro II               | SLI-f(8G)-21KTU card   |
| Electra Pro I                | One Pushbutton Receiver Card, part number PBR-C(4N)-11KTU<br>SLT-F(1G)-10ADP Card<br>ESI-C(8)-11 Card  |
| Toshiba Strata DK 8/16       | PSTU (Analog) Card<br>CRCU-4 (DTMF) Card   |

| <i>Telephone System</i>                     | <i>Hardware/Software Requirements</i> <sup>①</sup>   |
|---|--|
| Toshiba Strata DK 24/56/96                  | PCTU 2.0 or higher<br>PSTU (Analog) Card<br>CRCU-4 (DTMF) Card   |
| Toshiba Strata DK280                        | Single Line ports from one of the following:<br>RDSU (2 SLTs, 4 Electronic)<br>RSTU (8 SLTs)<br>PSTU (8 SLTs)<br>PESU (2 SLTs, 4 Electronic)<br>DKSUB280 KSU with Power Supply<br>One of the following Common Control Unit PCB Cards:<br>RCTUA<br>RCTUB<br>RCTUC/RCTUD |
| Panasonic DBS                               | Analog Card, part number 43621<br>DTMF receiver, part number 43541<br>Single Line Ringer Box, part number 2089P  |
| Panasonic KXTD-1232                         |  |
| Panasonic KXT-1232                          | One of the following Software Versions:<br>KXT-123210<br>KXT-123211 (without the D chip)<br>KXT-123211   |
| Comdial Impact                              | ATI-D (Analog Terminal Interface) box per 2 ports of voice mail and 2 digital ports per ATI-D<br>Software version 14C or higher  |
| Iwatsu ADIX                                 | IX8SUB-2 (8 port Subscriber Card)<br>Software version 4.60 or higher for the ADIX<br>Software version 5.11 or higher for the VoiceSupport  |
| Vodavi Starplus 1428 Digital Basic/2846 SPD | On the 1428: 2 CO/SLT Cards for 4 voice mail ports<br>On the 2856: 1 4x8 CO/SLT Cards<br>48 VDC power supply with ring generator<br>DTMF receiver module (RM)<br>Enhanced Software   |
| Prostar DCS                                 | ROM version 3.2<br>CPM Version 3.1   |
| Fujitsu Altura                              | On the Altura 416: Altura jack 14 & 15 per voice mail port<br>On the Altura 308: Altura jack 5 & 6 per voice mail port   |
| BBS   | On the BBS 416: BBS jack 14 & 15 per voice mail port<br>On the BBS 308: BBS jack 5 & 6 per voice mail port   |
| Generic                                     | Used for telephone system not listed, see note ② below.  |

**Notes:**

① For additional information refer to the DVP Integration Guide and/or the telephone installation and maintenance manual documentation.

② For systems not listed, the dealer technician can manually program the integration using the GENERIC option of the DVP. This process requires thorough knowledge of the telephone system and its voice mail integration. Several pieces of information need to be gathered, including, but not limited to: Does the telephone system support voice mail, what hardware and software is required, does the telephone system even support single line telephones. What is the desired mailbox numbering plan, what are the integration digits for turning on and off message waiting, and the integration digits for other features such as call forwarding directly to the user's mailbox. And depending on the desired applications and features other information may be required. The DVP Integration Guide and Laptop Programming Guide documents provide detailed information on the voice mail parameters, how they are used, the Generic option, and how to program the system from the ground up.

**Features**

Because the DVP software code is basic, there are not a lot of telephone system integration concerns. It essentially comes down to three key issues:

1. Call forwarding a call to a personal greeting
2. Direct station logon to mailbox
3. Activating and deactivating a message waiting light.

All of the supported telephone systems in the Sprint DVP are capable of providing these features, except for the Panasonic KXT-1232 (analog), NEC Pro I and 3, and the Toshiba DK 8/16. These phone systems do not support basic in-band integration, therefore:

1. The voice mail must perform Screened Transfers from the automated attendant in order for the call to go into the users voice mailbox when the call is unanswered (call forward to a personal greeting will not work).
2. Direct station logon will not work (user has to call voice mail, dial # and mailbox number manually).
3. On the Panasonic KXT only, the telephone system does not light a message waiting light.

**Troubleshooting**

As for the troubleshooting integration, it's not difficult to isolate the problems to either the telephone system or voice mail. On-site technicians should perform some basic tests using by using a single line telephone, or their test set, in place of the voice mail port. If the single line

phone can perform the function, then it's the voice mail. If the single line telephone can't perform the function, then it's the telephone system. Other troubleshooting steps may require the on-site technician to obtain and use a DTMF digit grabber.

The on-site technician must be knowledgeable or have access to someone that can troubleshoot the telephone system. Sprint Products Group can help isolate the problem and provide general guidance, but can not provide specific troubleshooting or support for telephone systems other than the Sprint branded products.