

Panasonic
Communication Systems Division
Technical Advisory

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Subject: KX-TD816/1232 Voice Mail Integration with KX-TVS50/80

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Digital Integration via the Manager's Extension

It is important that the KX-TD1232 has the proper software level to allow Digital Integration with the VPS. Follow the procedures below to confirm the software level, then complete the required programming before starting up the VPS.

All of the following procedures must be done after entering system programming. Refer to the KX-TD1232 Installation Manual for instructions on how to enter the system programming mode.

1. Verify Software - If you are configuring a 2-cabinet system, remember to check both cabinets. The software must be the same in each. Check the software version of the KX-TD1232 using System Program [116].

Example: **P231UYMMDDA**

The underlined digits represent the software production date code (year, month, day). For Digital Integration, the software version of the PBX must be P231U or higher.

(For KX-TD816, the version must be version P301O or higher for Digital Integration to be utilized.)

If the software version of the PBX is lower than this, call National Parts Center to order a software upgrade.

*From the **SYS-PGM NO ?** screen:*

a) Enter [116].

b) Press the **NEXT** button (SP-PHONE).

c) Enter the system number ([0] or [1], master/slave). The system displays the ROM version and the date it was created.

This version must be P231U or higher for Digital Integration to be utilized (both systems if system connection is used).

2. Set the date and time using System Program [000].

Date and time are automatically synchronized between the VPS and the Panasonic KX-TD series telephone systems during initial setup.

3. Assign the **Voice Mail Port**. This program tells the PBX which jack will be connected to the Voice Mail system. This allows the PBX to send the proper Digital Integration information to those ports.

• *KX-TVS50 (2 ports): assign 1 jack*

Note

If you are configuring a 2-cabinet system, all Voice Mail Ports should be assigned to either the Master or Slave System.

From the SYS-PGM NO ? screen:

- a) Enter [117].
- b) Press the NEXT button (SP-PHONE).

Screen output: M: #####

- c) Enter the jack number of the port you will use for the Voice Mail (02 - 64).
- d) Press STORE.
- e) Press END (HOLD) when finished.

Conditions: Jack 01 cannot be used as a Voice Mail port. A jack programmed as a Manager Extension (prg. [006]) cannot be used in this program.

4. Skip this step unless setting flexible numbering.

System Program [118] (Voice Mail Extension Number Assignment) is automatically set. This program allows you to assign an extension number to each Voice Mail port. Since the jack connected to the VPS provides 2 extensions, this enables you to assign extension numbers to each port. You can assign any extension number that is not already assigned to another port. To reach the Voice Mail system, users dial these extension numbers. It is not necessary to change the default programming for the extensions 165 and 166.

From the SYS-PGM NO ? screen:

- a) Enter [118].
- b) Press the NEXT button (SP-PHONE).

Screen output: VM NO?

- c) Press the NEXT button (SP-PHONE).

Screen output: VM-01:#__-1: 165

(__ = the port number you entered in program 117)

- d) Enter the extension number that you want this port to have.
(The default extension number for port 1: 165; port 2: 166)
- e) Press STORE.
- f) Repeat c, d, and e until all extension numbers are entered.

Conditions: No 2 jacks on the system can have the same extension number. If you try to enter a number that is already assigned, you will hear an error tone. Each digital extension connected provides 2 Voice Mail ports and must have 2 different extension numbers assigned

5. Unplug or power down the KX-TD1232.

6. Connect the jack assigned in Step 3 to the KX-TVS50.

7. Connect your laptop computer to the KX-TVS50 and start your communication software (i.e. HyperTerminal, Procomm Plus, Smartcom...).

Communication Parameters: 9600, 8 Bit, None, 1

8. Set the DIP switch on the KX-TVS50 to position 5.

Only perform this step when initially setting up the system.

CAUTION

Set the DIP switch to position 5 will default the Voice Processing System, resulting in a loss of all user programming and voice messages.

9. Plug in and power up the KX-TVS50 and wait approximately 90 s while the system initializes.

"System Administration" Start-Up Sequence

Before starting the VPS, make sure all installation and line connections have been done as described in Section 2.

Plug in and **turn** the power switch to **ON** on the KX-TD1232. The calls to the VPS can be processed after the Power Indicator stops flashing.

After turning the power on, the system starts up in the following sequence:

- *The Power Indicator light goes on.*
- *The Power Indicator light begins to flash.*
- *"Checking Flash Memory Cards." is displayed on the screen.*

Screen output:

```
PORT TEST...  
SYSTEM SETUP  
1... 2... 3...  
Checking Flash Memory Cards.  
Please wait...
```

- *The VPS tests the CPU card, the flash memory, and the ports until "1...2...3..." is displayed.*
- *Active ports are displayed on the screen.*

Screen output:

```
Active COs: 1 2  
APT Interface Connection is not Established  
** OFF LINE MODE **
```

This message is shown when the digital (DPT) connection between the VPS and telephone system cannot be established. This is normal. This message appears because the PBX type for the VPS is not a KX-TD series system. Since the default PBX type is set to the KX-TA series at the factory, this message will always appear. To change the default, go to the *System Administration Top Menu*, and Type 1-6-3-1. (Program - Hardware Settings - PBX Interface Parameters - Dialing Parameters Menu). Select "2:KXT Series" at the "1. PBX Type", and select "4:DPT" at the "2. Integration Mode". Exit the menu by entering "\", and the following display will be shown.

Screen output:

**** OFF LINE MODE ****

If "DPT Interface Connection is not Established" is still shown, possible causes are:

Cause and action

The cabling between the PBX extension ports and the VPS is not 4-wire or is improperly connected.

Confirm the cabling is connected as described in Section 2 INSTALLATION.

The PBX is a KX-TD series but does not have the proper level of software required to support DPT Integration.

Contact National Parts Center or use Inband Integration under hardware settings.

The PBX is not programmed properly to support DPT Integration.

Do required integration programming as described in this chapter.

10. Start up completed.

a) The Power Indicator light stops blinking when the start-up has been successful. (The delay varies according to the system's condition.)

b) "***ON LINE MODE**" is displayed.

c) System prompt [>] is displayed on the screen. To enter system administration, **Press ENTER**. All parameters can be set through the menu-driven program.

11. Go to the *System Administration Top Menu*. Type [3] and **QSET** for Quick Setup and follow the Automatic Configuration Instructions.

TEST: Press the INTERCOM button and then [165]. If the VPS answers, you have a DPT connection.

Set the DIP switch to position 0 after initialization is complete.