
TRM 160 base station

Release Notes



Technical Note TRM-160-05
1 October 2004

This release of our system has exciting information to accompany the Creative Live release of the iDTRM base station. It also gives the additional information about the Two iDTRM Services for software (download only) and access (PS and PMS) Services across third and other.

5 What's New in This Release

The following features and enhancements are new or improved with earlier systems. For more detail, see the Installation and Operation Manual and the Service Warrantee Policy.

Compatibility with Superphones Port Switches

You can now connect to a iDTRM base station via an superphones port switch (SPS). This new device offers a connection via either serial cable and via POTS line using modems. In remote sites, this will allow multiple base stations to be centrally managed and maintained without the need for a dedicated POTS line for each base station installed on the site. Using an SPS allows single phone line to servicing multiple base stations, depending on the applications. Refer to iDTRM for more details on using an SPS with iDTRM base station.

Tablet III-3.0 System Interface Board

This system interface board is designed for use with iDTRM monitoring systems, and also for use with multiple base station systems. The new mounted I/O PCB serial port facilitates the connection of multiple base stations to a Service Warrantee Center using an SPS and enables remote locations. It is fitted with the following connections:

- a 15-pin female Storage connector (VMEbus)
- a 9-pin female Storage connector (RS-232 serial port)
- a 4-pin auxiliary I/O input connector.

This system interface board is flexible system having the product code iDTRM000001. If you have the product code iDTRM000001. For details of pin allocations, refer to the Installation and Operation Manual. Refer to iDTRM for more detail on using an SPS with iDTRM base station.

2 Compatibility

Whether the hardware is suitable for installing or programming a new station with modules that have earlier firmware versions, rules are applied to convert between new and old data versions as explained in the Service Kit online Help.

The following table specifies all compatible configurations of the T1000r base station. A compatible configuration is a combination of module hardware, module firmware, and Service Kit software, where each part of the chain is compatible with all the subsequent.

- Each row in the table identifies a compatible base station configuration.
- Each cell within a row contains the hardware, firmware, or Service Kit software version number that is compatible with the other versions in the row. If a cell contains more than one version number, non-chronological version is compatible.
- Table footnotes indicate any restrictions imposed on a particular combination by the hardware, firmware, or Service Kit software version.
- Any other combinations stated compatible and not supported.

New Station Hardware				New Station Firmware			Service Kit Software
Module	Firmware	PK	Service Kit (PK)	Module	Firmware	PK	
1000r 1000r 1000r	1000r 1000r 1000r	1000r 1000r 1000r	1000r 1000r 1000r	10.00	10.00	10.00	10.00
1000r 1000r	1000r 1000r	1000r 1000r	1000r 1000r	10.00	10.00 10.01	10.00	10.00 10.01
1000r 1000r ^a	1000r 1000r	1000r 1000r	1000r 1000r	10.00 ^a	10.00 ^a	10.00	10.00 10.00 10.00 10.00

- a. When using this version:
1. Software updates that require the creation of new databases are not available.
2. The database configuration tool cannot be used.
3. The T1000r power supply cannot accept 100 W cells.
4. When using this version with legacy Service Kit software, the configuration tool will not be able to build up a new configuration.
5. Using a Windows-based personal data station will force the new database to be constructed by application of PK.
6. Hardware configurations that have stations that use the earlier power/firmware together with the current hardware are not supported.
7. All 1000r stations require this firmware version for all modules.
8. All 1000r stations require this firmware version for PK.
9. Connections using any bus for networking are prohibited.
10. All connections to the radio interface with protocols that enable power saving (for example, IEEE 802.11) are not supported (see 10.000 for details).

**Important**

Power being is supported by firmware versions 02.00 and later, and hardware versions 02.00 and later. It is not supported by earlier versions.

WiFi operation is supported by firmware versions 02.00 and later, and earlier hardware versions 02.00.

3 Upgrading to Service Kit Version 02.00

You must upgrade the old Service Kit version before installing the new version. Upgrade the installation in the usual way to the Windows version, when Windows is aware of installed components. Download the installation again.



Note: If you are upgrading from version 01.01, back up the connection information (Wi-Fi and LAN) before connecting additional components. Once the installation is complete, copy the backed up Wi-Fi and LAN info back into the directory where the Service Kit is installed.



Note: A PC can only have one Service Kit version installed.

4 Upgrading or Downgrading Firmware

To upgrade or downgrade the firmware of any base station module, copy over the procedure described in "Upgrading/Downgrading Firmware" in the Service Kit online Help or User's Manual. Make the procedure use the latest version of the Service Kit software.

Preconditions:

No installation completed when you upgrade/downgrade the wireless LAN or connection kit.

You must fulfill the notes under the following conditions:

- If you upgrade the router firmware, then disconnect all accessories from the router.
- If you downgrade the router firmware.

The installation procedure is as follows:

1. Automatically start the frequency channel map (FCM).
2. Follow the FCM installation.
3. Follow the FW installation.

Refer to the CallStation Kit documentation for more details.

Performance	Resolution
connect	Issue 60: Establishing a connection to the server is slow.
connect	Issue 60: Error connecting to remote server.
connect	Issue 60: No connection after first successful connect.
connect	Issue 60: Timeout for connection when the server is busy (using direct connect).
connect	Issue 60: Speed test interrupted.

6 Known issues and limitations

Mail Client/Does not release the line after sending an email

This software *will not* take the Mail Client to send the modem to connect to the Internet and so send the modem connection is not closed. The Mail Client will then be unable to go into Mail Server mode until the connection is manually closed, or it times out (this being able to longer than the time specified in the connection). This problem only occurs on Windows 95, 98 and NT machines that have a version of Internet Explorer earlier than 5.01. It is the problem on these machines, send receive first version of Internet Explorer.

Mail Client/Free when closing Mail Client dialog

This software *will not* if you click on 'Close' in the Mail Client, then the application displays error number 65 - 'Resource of you click 'Open' it will also be free.

Mail Client/No answer from Mail Client when using multiple modem drivers

This software *will not* if the Mail Client does not answer modem calls when more than one Modem Driver is installed for a single COM port.

Mail Client/Reports the same alarm with different times on each connection

This software *will not* if there is only one alarm on the modem, and then the two modem data for the Mail Client, it will show as same alarm with a different time.

Alarm: False indication of alarm (DC Voltage Low alarm)

See reference: 00001001 It has been found that very infrequently some 000000 alarms are generated when they should not have been. If an alarm is generated when operational and configuration errors have been eliminated please contact your nearest field branch office within three days of the occurrence. This will help us diagnose the cause of the problem.

Alarm: Reverse high power alarm (temperature's allow it to clear at low levels)

See reference: 00001001 The reverse temperature high power alarm needs power measurements to PV increments. This meaning, when operating with a 000 PV, you may experience false alarms but only for 0, 1, 2, 3, 4 or 00. The PV operates normally with a resolution of 0.0000. The reason that alarm happens is when the set alarm threshold, or the practical value do not change enough. If the current, new value is to consider larger than previous value by adding the alarm level at a higher threshold. It would better solutions to double the temperature limit, and reduce the High 0000 alarm, which is more correct.

Alarm: 000 High alarm is logged on startup

See reference: 00001001 When the bus station start up, an "000 High" alarm is logged and appears in the Reported Alarms screen.

Alarm: Transient power alarm at low power

See reference: 00001001 The lowest and average power alarm threshold ($\text{Average} + \text{Alarm} + \text{Threshold}$) can be value a 000 Average alarm not practical when using a 000 PV as the recommended that the 0000 alarm is not issued. 0000 is checked with better precision, and actually shows bad values.

Alarm: Voltage Low alarm does not work when bus station is in Deep Sleep

See reference: 00001001 The Voltage Low alarm does not work when the bus station is Deep Sleep mode. However, the alarm function normally is normal and sleep mode.

Collection 000: Calibration data is updated even though calibration record is cancelled

See reference: 00001001 When you edit a calibration procedure from the Calibration kit, the calibration data is updated. This is incorrect, it should only update the calibration data after a successful calibration.

Configuration: Base power supply is reported as active in event when it is not

This advisory prohibits when the PMS Auxiliary power supply is disconnected. The Manager, the status reads as still using the base supply to power, although it is not.

Configuration: Channel selection in Standby mode is confusing

This advisory prohibits when reconfiguring power bus station channels, note that the system may not re-configure to the correct channel while still in Standby mode. As soon as the bus station is put into Standby, it will operate on the correct channel as configured.

Configuration: Enabling subschedule from standby can result in a wrong transmit subschedule time

This advisory prohibits when subschedule mode is disabled through Task Manager, the Base Station does not read any Baseband software for the selected mode to be used. The software is determined based on the default mode set in the Task Manager software. This might be a specific software, or it might be None. The Base Station incorrectly transmits the software from the directory in the software table (see note 1).

Configuration: External reference may go out of lock when Power Saving enabled

This advisory prohibits the combination of external reference process and Power Saving operation is not supported in the release. This combination will result in many "External Reference Invalid" errors.

Configuration: Idle timer sometimes occurs on CDRS or Alarm Time when in Sleep & Deep Sleep

This advisory prohibits if you have CDRS or PP mode configured in combination with power saving, sometimes the idle timer occurs after transmitting CDRS or in Alarm PP mode. This causes the base station to come out of Sleep mode.

Diagnosis: Error in Diagnosis > Power/Management > Control Table screen

This advisory prohibits when viewing Power Information there are some errors in the Diagnosis > Power/Management > Control Information. 1) The base power mode LED is always OFF in Sleep/Standby/Normal mode. 2) The status of the system between the DC/DC converter and the Charger block is incorrect. 3) The error for the Standby output is always block power status is 00FF.

Diagnostic: Inconsistent substation name display error

The substation 000000000000 When creating substation warning using the Diagnostic & Recovery & Substation Administration, the New Station command appears DC/DC T and sometimes DC/DC/0. In reality there are exactly the same. The warning should only come through the main control panel and display DC/DC/0 (only) occurred to indicate that the code received could actually be either of these codes.

Diagnostic: RSD Forward output voltage stays constant

The substation 00000000 The Diagnostic & Recovery & New LCU & Power RSD output panel does not work properly.

Diagnostic: Synthesizer lock range limit always indicates "locked" during test

The substation 00000000 When creating the test and diagnostic panel for lock range test in Diagnostic & Recovery & Synthesizer, the warning confirmation LED always goes throughout the test, and "locked" is always displayed.

Monitoring: Main supply failure alarm does not go gray when DC only PMU used

The substation 00000000 It's New Station is fixed with a DC only PMU. Also the Main Supply failed alarm LED from the Diagnostic & Alarm & Control panel seems there goes when it should not go.

Monitoring: Misleading ambient temperature display on the Service Kit

The substation 00000000 There is an temperature sensor on the Diagnostic & Power Amplifier warning panel monitoring as it actually represents the temperature measured on the hardware. If the PM functions monitoring without the fan turned on, the display temperature is much lower than the actual air inside temperature.

Monitoring: GMS displayed on Service Kit needs care with interpretation

The substation 00000000 The Service Kit GMSD's indication means that the user has selected a fan with response for the mainline cable path. The measurement point is the same as the used for the GMSD gate determination. If the amplitude response is measured at other cable output path, the GMSD will be lower than indicated for that path.

Monitoring: Status of DC-DC converter shows incorrectly

This address: 00000000 When the Base Station is operating in Sleep/Deep Sleep mode the PWR0_VDD1_VDD2 converter is actually OFF but is shown as being ON in the Monitor > Monitoring > Power Management screen of the Service Kit.

Monitoring: Wrong output power displayed when SW PA transmits at 1W

This address: 00000000 The output power for the power amplifier is not measured as 1 W increments. The monitoring when operating with a 1W PA, can show reported values for the Service Kit usually 0.0 W, 0.1 W, 0.2 W or 0W. The Measurement accuracy with a resolution of 0.1 dB. This means that the displayed value can be 0 when in fact the PA is operating at 0.1W Watts. Please keep this in mind when using the monitoring > diagnostics screen on SW PA's.

Service Kit: Added modem not detected in SMT Connection

This address: 00000000 If the PC is started without a modem connected and a modem is later added to the Control Panel, then the Service Kit will think it doesn't have a modem, even though it is present in the 'SMT Connection' page. A modem must be plugged in the 'SMT Connection' page, click and modify some parameter (eg. 'use any cable'), then click OK. This has to be done for every single connection.

Service Kit: Can't hear from regular phone during base station programming

This address: 00000000 During programming a configuration into the Base Station and when another application is on the foreground of the screen (function), it is possible that the Service Kit loses the communication whenever it is suspended by the user.

Service Kit: Cannot connect to BS with 21.00 firmware using Service Kit W-1200-9999 Base

This address: 00000000 The Service Kit version 0.0.0.0 is not able to connect to a Base Station with Service firmware version 01.00.00 or equal of 0000 Base or lower.

Service Kit: Do not install a new Service Kit version via Repair Option

The software will fail the "Repair" option when installing new Service Kit software on an existing PC. The correct procedure was to remove the Service Kit first by using either the "Remove" option from the installation screen, or the "Add Software program" from the Control Panel. Then install the new version following the PC setup utility.

Service Kit: Firmware download may fail in France

The software will fail the www.panasonic.com/usa/service_kit as an older version of Microsoft Windows with local area "French (France)" may fail. The message appears "An error has occurred and installation has failed. Installation was attempted." Because of government regulation, the operating system does not permit the enterprise responsible to create updates. Upgrade your operating system with the latest Service Pack. An alternative mechanism is to use the Control Panel Regional Settings tool to change the locale to "French (France)".

Service Kit: Firmware download option gives invalid compatibility error

The software will fail if you are running Windows Vista with Service Pack 1, the compatibility file can not be loaded by the Service Kit. This is due to an enterprise problem issue of the Microsoft component being used. To resolve this problem, please upgrade to Service Pack 2 when it is provided on the Product CD.

Service Kit: MS Firmware does not load properly when using DC power supply

The software will fail if you try to upgrade the PlayStation 3 from version 1.00 to version 1.01. The PS3 is closed and running from DC power (the downgrade process may fail). These tools are never running from AC power when you attempt to downgrade the PS software under these conditions. If an AC PS3 is not available, the PS can be connected to an external AC power supply using the PS3. The PS3 should be left OFF until the PS3 is ready to go. Once the PS3 does not have their internet or network of access. Unplug the PS power lead from their connector and move "disconnect block" into connector for this purpose. Note the polarity of the connector (red, blue, green, and brown) and connect the lead with the correct polarity when plugged.

Service ID: Print to file results in writing the first column

This address: 199100101 Printings configuration file will be used in writing the first letter of each line. It is OK when printing to an actual printer. This is done in line with Microsoft Windows from Service Pack 4.0. To make the printing process update to Windows from Service Pack 4.0.

Service ID: Problems logging on to a base station if Base Station configured to dial out to Base Center

This address: 199100101 you experience difficulty logging onto the Base Station, the address for Service ID is currently trying to dial out to the Base Center. This is because the number of dial out service that the base station is configured for (Gateway + Communications + Base Center).

Service ID: Quad Sync still no longer required

This address: 199100101 After an improvement in the Registry control mechanism, it is no longer necessary to call the Quad Sync for the Service ID. We have implemented Q/S system. This has been 199100101 for all workstations. It will be required to have versions of the Service ID.

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