

Product Release Notice

ErisTerminal® 1.0.2.3a Firmware

VDP650 / VDP651 / VDP658

Release Date: July 24th, 2019

This document contains the release notes for VTech ErisTerminal version 1.0.2.3a. This upgrade release affects the VDP650 SIP DECT 4-Line Base Station, VDP651 SIP DECT 4-Line Cordless Handset, and VDP658 SIP DECT 4-Line Cordless Deskset. This upgrade release includes significant enhancements. Therefore, users of previous ErisTerminal releases are encouraged to upgrade. The following topics are detailed below.

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VDP650 / VDP651 / VDP658 Changes since 1.0.0.9

With the release of 1.0.2.3a, the following feature has been added. Numbers in parentheses indicate VTEch's internal tracking ticket number.

Enhancements

Added the ability to provision the time/date format (#6219, #6651)

Added the following parameters to enable provisioning of the time/date format.

Parameter	Possible values	Default	Export-able	Web UI/Phone UI
time_date.24hr_clock	0 (disabled), 1 (enabled)	1	yes	WebUI: Servicing > Time and Date Phone UI: N/A
time_date.date_format	DD/MM/YY, MM/DD/YY	DD/MM/YY	yes	WebUI: Servicing > Time and Date PhoneUI: N/A

Time/date format settings are system wide settings, not individual handset/deskset settings. Therefore, the "Date Format" and "Time Format" items have been removed from the Phone UI: **Menu > User Settings > Date and Time.**

Make credentials on manual provisioning method available for DHCP options method (#6337, #6372)

Device can successfully provision with the model and MAC file with

- provisioning URL obtained via DHCP options
- credential (username/password) via parameters provisioning.server_username & provisioning.server_access_password.

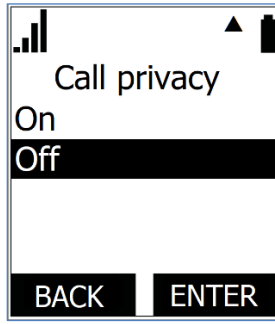
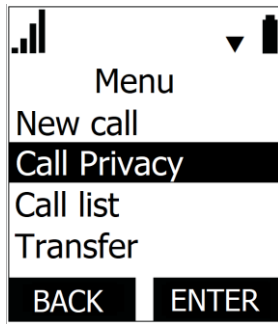
Credentials from manual entry provisioning method is available for both DHCP Options and PnP.

- DHCP Option / PnP / Manual entry
 - Provisioning path with URL only
 - Provisioning path contains credential
 - Redirected provisioning path contains credential

Provide privacy mode (inhibit barge-in) during an active call (#6289)

New feature to enable the user to set a shared call as private in order to prevent barge-in from other users.

During an active call, press **MENU/SELECT** to display the off-hook menu. The new menu item **Call Privacy** appears for active shared calls. Select **Call Privacy** and set it to On. The call becomes "Private," but is still visible in the Call List.



If another user tries to barge-in, their phone displays the message "Call is not available at this time." If the user puts an active Private call on hold, the call privacy is reset to off, and the call can be picked up by another user. When the user resumes the call from hold, call privacy remains off and the call can be barged-in unless the user sets call privacy on again.

You can put a call on "private hold" to prevent other handsets/desksets from picking up your call. To put a call on "private hold," press and hold the **HOLD** button. To resume the call, select it from the Call List.

Add automatic handset registration support via provisioning (#6274)

New feature to enable the handset/deskset to register automatically without requiring the user to go through the manual DECT registration process.

If auto registration is enabled, when the user powers up the phone, it displays "Trying to Auto Register..." and attempts to auto register the device.

If the user presses the Cancel key or auto registration times out, the phone displays "Device cannot auto-register with Base. Try manual registration?"

If the user selects Yes, the phone displays the manual registration instructions: "Press and hold the HANDSET LOCATOR key at base for 4 seconds / Then press the # key at the handset."

Added the following parameters.

Parameter	Description	Possible values	Default
hs_settings.autoreg_enable	Enable/disable HS auto registration - If enabled, handset with IPEI matching with hs_settings.x.ipei will be allowed to register without going through manual DECT registration - Otherwise, handset have to be registered through manual DECT registration	0 (disabled), 1 (enabled)	0

Parameter	Description	Possible values	Default
hs_settings.x.ipei (x ranges 1-10)	<ul style="list-style-type: none"> - Registration slot reserved for HS with the same IPEI as the configured one - HS with the same IPEI as the configured IPEI can register as Handset x without going through manual DECT registration - Please see the following section for additional description 	String (IPEI)	[blank]
system.x.registered_ipei (x ranges 1-10)	<p>Read-only parameters indicating handset registration status (for both auto & manual registration)</p> <ul style="list-style-type: none"> - [blank] if no handset is registered to the slot - otherwise, IPEI string of the handset registered to the slot 	N/A	N/A

Ability to reboot VDP650 using XML (#6284)

Added the ability to reboot the VDP650 with XML pushed by the server to the device (Action URI). The VDP650 will reboot upon receiving the following XML push contents:

```
<?xml version="1.0" encoding="UTF-8"?>
<Action Beep="yes">
  <ExecuteItem Type="command">
    <value>Reboot</value>
  </ExecuteItem>
</Action>
```

Add RFPI and IPEI to WebUI and Phone UI respectively to facilitate setup and troubleshooting for auto registration (#6626)

Added the display of base RFPI to the WebUI **Status** page.

Added the display of handset IPEI to the Phone UI:

Menu > Status > Product Info > Handset/Deskset

Handset-to-Handset Paging with one-way audio (#6673)

New Paging feature enables you to call another handset/deskset with an alert tone, and then transmit one-way audio.

A new menu option, **Paging**, is available on the Main Menu. This option enables you to select the handset/deskset you want to page. In the following example, Handset 1 pages Handset 2.

1. Handset 1 selects **MENU > Paging > Handset 2**.
2. Handset 1 displays "Paging HANDSET 2."
3. If Handset 2 is idle or has a call on hold, it will play an alert tone and briefly display the message "Paged by: HANDSET 1."
4. The connection is established, and both handsets display "Broadcasting" with a timer. Handset 2 will hear one-way audio from Handset 1. Handset 1 cannot hear Handset 2.

5. To end the connection, either party can:

- Press **END** or **OFF** (for handsets)
- Press **CANCEL** (for desksets)

NOTE: If a corded headset is plugged in to the receiving handset/deskset, then audio is played at headset.

The receiving handset/deskset will not receive the page if:

- It is on an active call
- It has an incoming call ringing
- The handset of the receiving deskset is off-hook

When this occurs, the paging handset/deskset displays "Broadcasting" for five seconds, and then displays "Ended."

Need to support 100rel/PRACK (#6240)

Added the following new parameter to set the reliable provisional responses as disabled, supported, or required.

Parameter	Description	Possible values	Default
sip_account.x.reliable_provisional_response_option	Sets the 100rel/PRACK option.	0 (disabled), 1 (supported), 2 (required)	0

1 = supported:

- We will include "100rel" in "Supported" header.
- This triggers the remote side (server or remote client) to include "Requires:100rel" in their response (180 or 183). Server may choose not to do so. But if it does, we need to respond with PRACK.
- We will NOT include a "Requires: 100rel" in our requests (INVITE). i.e. we won't force anyone to use 100rel, but we will do if we were asked to do.

2 = required:

- Everything as described for supported, plus our outgoing INVITE also includes "Requires: 100rel".
- This forces the remote party must support 100rel.

CBS OPUS codec support (VDP65x) (#5273)

Added OPUS codec support to the VDP650, which can support a maximum of four concurrent OPUS calls. You can enable the OPUS codec by provisioning or the WebUI.

- **Provisioning:** Set the value of parameter sip_account_x.codec_priority.n = opus (where x=account number and n=number 1-7).
- WebUI: **SYSTEM > SIP Account Settings > Account x > "Audio" section.** Set the **Codec Priority n** field to opus (where x=account number and n=number 1-7).

Added support for TWAMP (#6579)

Added the following DECT Statistics for the cordless devices that can be retrieve externally (#6577, #6578)

- Device in range indication (if yes then send the following)
- Device firmware
- Device Battery level
- Device in charging cradle indication
- Device RF Signal Level

The DECT statistics can be accessed via RESTful API

Added support for DHCPv6 including Option 17, Option 31 (E6276, E6281, E6302)

Added support for privacy on cordless device to prevent Intercom or Paging (#6339)

Parameter	Description	Possible values	Default
hs_settings.x.ignore_page_intercom_all	Parameter to ignore both Intercom All and Page All per device where x in the parameter represents device 1 thru 10.	0 (disabled), 1 (enabled)	0

Other enhancements/update (UPD)

Description	Reference
UPD - Increased the number of concurrent calls from four to six.	#6317
UPD - IPv6 settings on handset admin interface	E6309
UPD - Improved DECT Link fault tolerant handling	E2143, E4084
UPD - Improved reliability of the auto Software upgrade over DECT and	E6175, E6307
UPD - PNP handling with empty payload	E5939
UPD - Made cipher suite offer consistent for all signaling protocol, i.e. SIP, HTTP, LDAP, etc.	E6250

Bug Fixes

Description	Reference
FIX – VDP650 not playing busy tone when performing outgoing call and far end is busy	#6481, #6471
FIX - All handsets MWI lamps light when message left for an account not associated to all handsets	#6588
FIX - HS Line keys do not function if assigned to "Line" type	#6397
FIX - Wrong default value for busy tone element	#6512
FIX - After ending network conference call, VSP651 resets when it attempts to answer incoming call	#5893
FIX - VDP651 cannot establish Network-based N-Way Call	#5894
FIX - VDP651: Active call is terminated when off hook on another Line key	#6604
FIX - VDP650: VDP650: DTMF Issue after dialing multiple digits	#6665
FIX - Audio issue when outgoing seq wraps to 0 and a reINVITE	E6239
FIX - intermittent bug where DND feature key sync stops working	E6266
FIX – Web process being killed when editing the Programmable Keys during an active call	E6308

How to upgrade

Please refer to the Administrator and Provisioning Manual for your ErisTerminal product, available at: <https://businessphones.vtech.com/support/downloads>.

Version compatibility

Due to various improvements, it is recommended that all devices be upgraded to Version 1.0.2.3a. Compatibility with previous versions have not been tested.

Manuals

For more information on the features described in this document, please reference the manuals and technical documents located here: <https://businessphones.vtech.com/support/downloads>

Product support

For additional questions, please contact the VTech Business Phones team. Contact information is available here: <http://businessphones.vtech.com/support/contact-us>