



SMILOG

SOFTWARE FOR MOBILE INTEGRATION IN LOGISTICS

SMITERM 7 Configuration Parameters

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New For Release 7

- Automatic Licensing, delivery of licenses via Web.
- Expiring Licenses can be created.
- Licenses can be scanned in (Scan to Configure feature)
- Configuration setting can be scanned in (Scan to Configure feature)
- Barcode only field override added (long press on barcode only fields)
- AIAG barcode parsing added (New Scan Processor)
- Page Saving Support added.
- Improved speech input, allows continuous input, and will work in different languages
- Popup Keyboard Blocker (for terminals with keyboards)
- FKey Bar can be moved to the top of the screen.
- Override Device Locale in Configuration.
- Notch detection, will not place data in area of the screen that have a notch. (support for android PIE devices)
- New Color Themes, Dark Mode, and TekTerm.
- BEEP Parameter that enables sounds when error messages are displayed or Function keys are pressed.
- Support for Unicode UTF Codepage, which provides a means of displaying non-European characters including Chinese.

KNOWN ISSUES

- Cursor does not appear in fields when Pop up Keyboard blocker is set.
- Application only supports English, French, and German Languages
- For TEKRF and TEKCONSOLE solutions. This does not include all the functionality of TEKTERM.

BUGS FIXED

- (7.17) Bug Fix: "Scan to configure" will no longer creates duplicate entries in Configuration.
- (7.17) Bug Fix: "Scan to configure" will work with Zebra DataWedge and other similar application that push data though a "soft keyboard" rather than placing the data in the keyboard buffer.
- (7.17) Bug Fix: Changed TESS parsing to handle Fragmented Messages for the server. This can occur when the screen requires more than 384 bytes. On direct connections, typically a large screen is sent as a single TESS message. But 9500 controllers will break larger screens up into multiple TESS messages. This causes older versions of SmiTerm to Crash
- (7.17) Bug Fix: TESS + command will erase the field when Style Byte is set to "Reserved Type" (bit 1=0 and bit 0=-0)
- (7.17) Bug Fix: Numeric only fields would not accept non-numbers (example 2-2-2). In previous versions Numeric Only fields strictly enforced that the value entered be a number.



- (7.17) Bug Fix: Modified font scaling calculations to avoid having the last column being “clipped” on some screen sizes. This problem typically happens on 15 row x 30 column screens.
- (7.15) Bug Fix: fixes lingering TCP Sockets. If the MIS Server has the **Terminal Direct Connection – Keepalive Timeout to 0**, the TCP Connections on Port 9999 will remain in a CLOSE_WAIT state until the SmiTerm device reconnects or the Terminal Service is restarted
- (7.14) Bug Fix: fixes for Googles (broken) Speech Recognition

Note: Value in brackets is the first version to include fix.



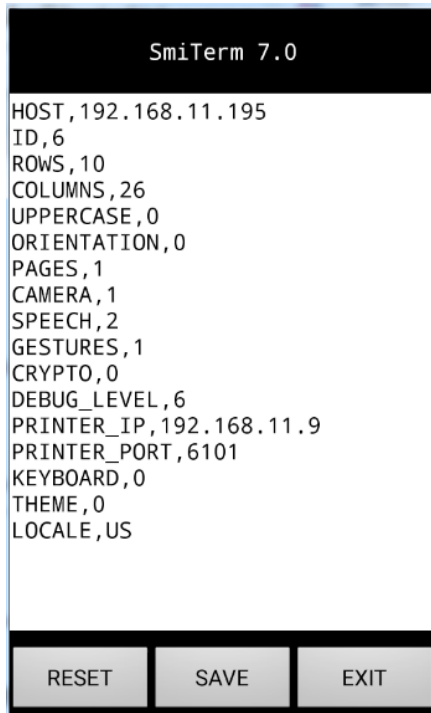
Configuring SMITERM

SMITERM is configured by editing a comma delimited configuration file.

The contents of this file could be scanned in using a single 2D barcode.

The configuration file is edited by pressing the "Config" button, on the "button bar, The following screen will appear,

NOTE: There have been significant changes in the number of parameters available. Not all parameters are included in the default (Reset) configuration. If a parameter is not included in the view below, the default value is used.



Normally, only the HOST, ID, ROWS, COLUMN parameters need to be changed.:

These will be specific to each customer's TEKRF or TEKCONSOLE system.

Often the Non-TEKRF input features, SPEECH, CAMERA, and GESTURES, are disabled by setting to values to Zero.

Each of the configuration parameters are can be found in the next section:



HOST CONNECTION

Host connection address:

HOST, <value>

Where <value> is the IP address or DNS name of the TEKRF or TEKCONSOLE server.

Default: 192.168.11.195

Terminal ID:

ID, <value>

Where <value> is the Terminal ID on the TEKRF or TEKCONSOLE server, or controller

Default: 1

TESS TCP port

PORT, <value>

Where <value> is the TCP port used to connect to the TEKRF or TEKCONSOLE server, or controller

Default: 9999

Terminal Model Number (TekTerm)

MODEL, <value>

It is recommend that you do not change, Required to send correct Initialization String

Default 200

Software release (TekTerm)

SOFTWARE, <value>

It is recommend that you do not change, Required to send correct Initialization String

Default 69

Number of Pages (Page Saving)

PAGES, <value>

Where <value> is the number pages used in Page Saving. 1-16

Default 1 (No Page Saving)



Enable SSL data exchange

CRYPTO, <value>

Where <value> = 0 to disable SSL data exchange, all data will be sent in plain text

<value> = 1 to enable SSL data exchange, but ignores Certificate, all data will be encrypted.

<value> = 2 to enable SSL data exchange, all data will be encrypted.

Default 0

SCREEN LAYOUT

Number of Rows

ROWS, <value>

Where <value> is the number of rows to display on the screen, this should be either 10 or 15

Default: 10

Number of Columns

COLUMNS, <value>

Where <value> is the number of rows to display on the screen, this should be either 26 or 30

Default: 26

Screen Orientation

ORIENTATION, <value>

Where <value> = 0 Portrait.

<value> = 1 Landscape

<value> = 2 Reverse Portrait (upside down).

<value> = 3 Reverse Landscape (upside down).

Default 0



Screen Color Theme

THEME, <value>

Where <value> = 0 use default smiTerm colors

<value> = 1 use Dark Mode colors

<value> = 2 use TekTerm default colors (black and white)

Default: 0

FKEY Fling Bar location

BAR_LOCATION, <value>

Where <value> = 0 bottom of screen

<value> = 1 top of screen

Default: 0

DATA INPUT / OUTPUT

Enable Uppercase only input

UPPERCASE, <value>

Where <value> = 0 to disable uppercase only.

<value> = 1 convert to upper cases except for password fields.

<value> = 2 convert to upper cases for all fields.

Default: 0

Keyboard Only (Disable Popup Keyboard)

KEYBOARD, <value>

Where <value> = 0 use both

<value> = 1 use physical keyboard only, .

Default: 0



Enable Camera as Barcode Reader (OCR only available in version 8)

CAMERA, <value>

Where <value> = 0 to disable camera as scanner,

<value> = 1 to enable camera as scanner,

Default 1 (on)

Enable Speech Features

SPEECH, <value>

Where <value> = 0 to disable TTS and Speech Recognition,

<value> = 1 to enable TTS

<value> = 2 to enable TTS and Speech Recognition

Default 2

Enable Gestures to simulate function key presses:

GESTURES, <value>

Where <value> = 0 to disable gestures,

<value> = 1 to enable gestures,

Default 1 (on)

UTF8 support

UTF, <value>

Enables support for International / Multibyte characters by using UTF8 character set.

Where <value> = 0 use default Western European Code Page (use ISO-8859-1)

<value> = 1 use UniCode(r) UTF8

Default: 0



Override Device Locale

LOCALE, <value>

Where <value> = DEVICE (uses the devices locale)

<value> = US (English)

<value> = DE (German)

<value> = FR (French)

Default: US

Scan Prefix

SCAN_PREFIX, <value>

Where <value> is set to single character that will trigger “scan to configure” and “AIAG barcode parsing”

This can be set to a space character (Blank) to completely disable the scan features

Default: ~ (ascii 126, hex 0x7E)

Network Printer address: (USB and BLUETOOTH printing only available in version 8)

PRINTER_IP, <value>

Where <value> is the IP address or DNS name of a network printer. Data for Serial 0 will be forward to this IP address..

Default 192.168.11.9

Network Printer port (USB and BLUETOOTH printing only available in version 8)

PRINTER_PORT, <value>

Where <value> is the TCP port used by the network printer, typically 6101 or 9100

Default 6101

SOUND Options (Custom Sounds only available in version 8)

BEEP, <value>

Where <value> = 0 No Sounds

<value> = 1 Beep on Error messages only

<value> = 2 Beep on Error messages and Function key presses

<value> = 3 Beep and Vibrate on Error messages and Function key presses

Default: 0



MISC.

Auto License Web address

LICENSE_URL <value>

Where <value> address of web service use to automatically deliver license keys”

This can be set to space character (Blank) to completely disable this feature

Default: <http://portal.smilog.ca/myLicense/Service1.svc/json/>

Debug level

(Send Debug to File only available in version 8)

DEBUG_LEVEL, <value>

Where <value> = 0 to 9. The higher the number, the more details that are sent to iLog.

Default: 1

LOCK Configuration

LOCK, <value>

Where <value> is the password, up to 16 characters. Will not prompt for a password when the CONFIG button is pressed if blank.

Default: <blank>



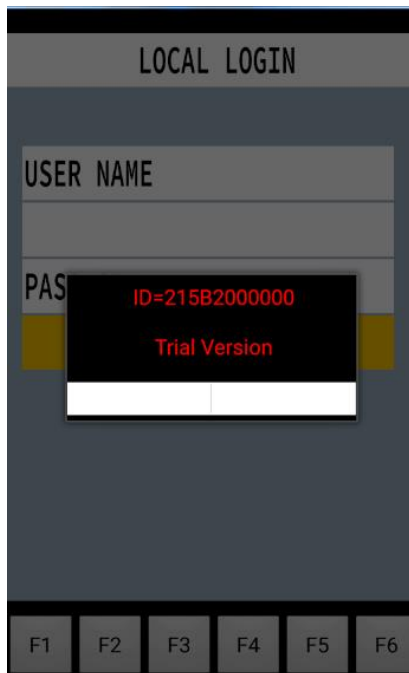
License Keys

The license key is unique to each terminal, and cannot be moved or reused on a different terminal.

The user will be informed that a license key is required each time SMITERM is started and after every 100 key strokes. This will stop once a valid license key is installed.

NOTE: both permanent and expiring license keys are available for SMITERM7.

To enter a license, Press the “License” Button on the button bar.



To obtain a license key, send proof of purchase to support@smilog.ca

Please include the Device ID displayed at the top of the licensing Pop-up message.

License keys can be delivered via the Web. Automatic Licensing is attempted each time the application is started. It will send a request for a key. If the Device ID is recognized by the license server, it will send back a valid key.

License can also be scanned in by creating a code 128 barcode with the following format

(scan prefix)<(license key)>

Example: ~<64D5434CDD8DC1C9>

NOTE: only a valid scanned license keys will be installed. If an invalid key is scanned it will not overwrite the existing key.

Scan to Configure

Any of the configuration parameters can also be scanned in by creating a code 128 barcode with the following format

(scan prefix)<(parameter),(value)>

Example: ~<**HOST,10.0.0.1**> will set the host connection to IP address 10.0.0.1

Example: ~<**THEME,1**> will set the screen colors to Dark Mode

The configuration can be reset using the RESET Command

Example: ~<**RESET,0**>

After a configuration barcode is scanned the edges of the screen will become red (as illustrated below)



Multiple barcodes can be scanned, but will not take effect until the WRITE command is scanned.

Example: ~<**WRITE,0**>

Or the changes can be cancelled using the CANCEL command, or by restart the application, or pressing the CONFIG button.

Example: ~<**CANCEL,0**>

Once the WRITE Command is scanned the application is restarted.

APPENDIX A – Scan to Configure, Barcode Samples

Example: to change the THEME to DARK MODE, scan the next 2 barcodes



Generated using:

<https://barcode.tec-it.com/en/Code128>

APPENDIX B - Themes

SMITERM DEFAULT	DARK MODE	TEKTERM
<pre> PSION TEKLOGIX LOGIN TekRF CLIENT 800 USER mbrandys PASSWORD LANGUAGE </pre>	<pre> PSION TEKLOGIX LOGIN TekRF CLIENT 800 USER mbrandys PASSWORD LANGUAGE </pre>	<pre> PSION TEKLOGIX LOGIN TekRF CLIENT 800 USER mbrandys PASSWORD LANGUAGE </pre>
F1 F2 F3 F4 F5 F6	F1 F2 F3 F4 F5 F6	F1 F2 F3 F4 F5 F6