

Release 8.16 Notes

- This release is only for Speech Recognition, if you do not use the Speech Recognition feature then this update is not required.

Refer to: <https://stackoverflow.com/questions/71967536/why-has-speechrecognizer-suddenly-stopped-working/72141835>

Google has broken their Speech Recognition API again. They included updates in April to the Google App that broke the interface. As of June Google is uninterested in fixing this. (marking related issues in their issue tracker as “Won’t Fix”)

The SmiTerm 8.16 code has been changed to work around the problem. Alternatively, the end user can uninstall the latest updates to the Google App and continue using older versions of SmiTerm.

Release 8.15 Notes

- Updated Licensing to address Randomized MAC addresses that are turned on by Default in later versions of Android (Starting at Android 9). The license needs to be loaded while the device is connected to a network with a MAC address that matches the MAC address used to create the license key. Once the Key has been accepted the license will remain valid even if the MAC address changes.

Note: The Network connection can be changed to use the Device’s MAC address (But this is no longer the default.) It is recommended to disable MAC address Randomization for the SSID you intend to use.

- The licensing pop-up now will indicate if the MAC address has been Randomized. The words “RANDOM MAC” will appear at the top. Ideally, a license key should not be created using an ID that has been created with a randomized MAC address.

Note: Google has enabled this “less than useful” randomization by default and made it next to impossible to programmatically determine the Device’s real MAC address.

- Improved Memory clean-up, so there is no delay when loading the configuration screen.

Release 8.14 Notes

- Bug Fix: Scrolling input fields fixed, this was broken in version 8.10 (worked correctly in previous versions)
- Improved AIAG field processing providing option to send prefix to Host.
- Bug Fix: Scanning with Camera will now recognize and send prefix and separator character found in Code 128 GS1 barcodes.

Release 8.13 Notes

- First Version 8 Production Release. (all previous versions were Betas)

New for Version 8.12

- More fixes to TESS+ command to allow field modifications typically not found in MIS. These changes were done to provide support to non-MIS solutions.
- Added FULL_SCREEN parameter. The default value is 1, = Full Screen
Set to 0 to disable full screen mode which will make the Status Indicators at the top of the screen visible. (usually includes: network signal strength, battery power status, time etc)
- Improved network reconnection method. A new connection is tried every 5 seconds if the HOST IP address is not available on the network.

Version 8.11 was created for Testing purposes only.

New for Version 8.10

- Bug Fix: TESS + command will erase the field when Style Byte is set to "Reserved Type" (bit 1=0 and bit 0=-0).

- Bug Fix: Setting ORIENTATION to 1 or 3 (Landscape) now works. Earlier versions crashed the network connection and prevent the app from connecting the MIS host.
- Bug Fix: “Scan to configure” will no longer creates duplicate entries in Configuration.
- 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.
- 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.
- Bug Fix: Left and Right Arrow Keys will no longer move the cursor outside of the field in focus.

Version 8.09 was created for Testing purposes only.

New for Version 8.08

- 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.
- Request special privileges during Startup and after exiting Configuration. In Android N and higher these privileges cannot be set automatically during installation. These must be set by the user.
- Added Debug Level 10, which will capture all data received sent ,or typed and saves it to a file called SmiDebug.txt in DOWNLOADS directory

Do not use this feature unless instructed to do so, it may require special privileges on the device and will impact performance. It is recommended that DEBUG be set to Zero (DEBUG,0)

Version 8.07 was created for Debugging purposes only.

New for Version 8.06

- Added **AIAG_FILTER** Parameter. Set to 1 to enable. (default 0 = off)
This will remove the AIAG prefix on any AIAG field.

Example: for an AIAG Prefix of P, scanning or manually entering P123456 will result in the field being changed to 123456.

If you wanted P123456 to be sent to SAP, then the user would have to manually enter PP123456.

NOTE: For AIAG parsing, a better approach is to use the internal barcode parsing, but this requires configuring the scanner to append a ~ character prefix to each scan

- 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.

New for Version 8

- Override Configuration by copying SmiConfig.txt file to DOWNLOADS directory
- Override Error Sound by copying error.mp3 file to DOWNLOADS directory
- Override Normal Sound by copying normal.mp3 file to DOWNLOADS directory
- License only needs to be installed once successfully while WIFI / MAC address is available. License will continue to run if the device is connected to an LTE network and the WIFI radio is disabled.
- Fail Over Feature added, where connection is made to a backup MIS server if the primary Server is unavailable.
- Major changes to Printing, including support for BlueTooth.
- New, built-in camera scanning feature. No need to download 3rd part XZING product to scan barcodes with the device's camera. This scanner feature can also recognize Text (OCR optical character recognition)

Fail Over Feature

Parameters HOST2, and ID2 can be added to the configuration file to define the connection to backup Server. A "SWITCH" button will appear on the Fling bar if either of these parameters are added.

It is possible to define just one of these parameters if you want to use the same value for both the Primary and Backup server. This makes it possible to Switch between 2 different terminal sessions on the same server.

By Default the Backup session has a green background, this can be changed using the THEME2 parameter.

Printing Changes

Printing output from TEKRF and TEKCONSOLE uses the TESS port pass command. The port can be redirected to a variety of devices.

The following parameters control the Redirecting of these ports.

PRINTER1 <tess port pass 1>

PRINTER2 <tess port pass 2>

PRINTER3 <tess port pass 3>

PRINTER4 <tess port pass 4>

PRINTER5 <tess port pass 5>

PRINTER6 <tess port pass 6>

Note: Typically Ports 1 and 2 are used in custom TEKRF and TEKCONSOLE transactions.

These can be Redirect to the following using the format:

PRINT<x>,<parm1>:<parm2>:<parm3>

Here are some samples for various redirects.

1. For Tethering Printers to the terminals USB port use

PRINTER1,USB

2. For Network Printer use

PRINTER1,NETWORK,<IP address>,<Port>

If the IP address is not entered then it will default to 127.0.0.1

If the Port is not entered then it will default to TCP port 9200

3. For BlueTooth Printer use

PRINTER1,BLUETOOTH,<Name of Paired Device>

If the Name of the Paired Device is not entered then the first paired device found will be used. This can be useful if you only ever pair one printer at a time with the android device. (and have no other paired devices)

4. For Text to Speech Use:
PRINTER3,TTS

Note: this is configured by default, for our demos.