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# Release Notes

## Release V1.8b

Released: 25 November 2019

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### Release V1.8a Contents

The following documentation is included in this release:

Documentation	Version	Build Date
<a href="#">Release Notes</a>	Release 1.8b	11/25/2019
<a href="#">Firmware Update Instructions</a>	Release 1.8b	11/25/2019
7330 Manual	V 3.7.x	1/30/2019

The following firmware is included in this release:

Firmware	Filename	Version	Build Date
SBOOT	SBOOT_1.7.1.bin	V 1.7.1	2/5/2019
SBOOT Recovery	SBOOT_1.7.1.S19	V 1.7.1	2/5/2019
DIAG	diag_1.2.0.bin	V 1.2.0	9/4/2009
7330	7330_3.7.1.bin	V 3.7.1	2/5/2019
Speech Library, English	SpLibEng_1.3.bin	V 1.3.0	2/17/2017

The following command line utilities are included in this release:

Firmware	Version	Build Date
BuildSpeechLib.exe	V 1.2.0	5/13/2018
ScomConfigUtil.exe	V 1.3.4	1/31/2019

The following support files are included in this release:

Support Files	Version	Build Date
Speech Library Named Constants for use with Scom Programmer	V 1.3.0	2/17/2017

## Release V1.8 Cautions

*This firmware release requires a Cold-Start of the controller.* Be sure to save a copy of your active configuration using the SBOOT Save command for easy restore for your configuration after firmware update. This step is necessary in this release to add new configurable features to the controller. (See *Chapter 8, Serial Port*, for more information on sending commands from a text file and for saving and restoring your controller configuration.)

## Release V1.8 New Features

**Boolean for Powerup or Reset:** Add a new boolean for macros to test for how the 7330 Repeater firmware was started. This is most useful in a powerup macro for delaying PTT to an external transmitter that needs warmup time. (See page A-51 and 5-30.)

**DTMF Mute Bypass:** Add a set of software switches to allow a path's DTMF Mute to be bypassed (disabled) for one transmission so that DTMF digits can be passed to a device at the other end of a normally muted path. (See page 7-24.)

**Long Names:** This new feature gives you a new command to define up to 10 8-digit DTMF names and associated event-triggered macros. When one of these names is matched, an event-triggered macro is executed. Access to these names can be specified by port. Each name can be enabled or disabled. (See page 5-31.)

**Plectron Tone Table:** A new Tone Code Table has been added that defines new tone codes for the Plectron-specific tone frequencies. (See page A-33.)

**Polling Front Panel Status:** The existing Remote Front Panel command generates a live display on a VT-100 terminal emulator over the serial console port. This is very useful for a person monitoring the operation of the controller, though not useful for an attached computer wanting to use the data in another way. This release adds a new version of this command for polling the front panel status and returning the status as a comma-delimited list. This command could be used from a script running on a Linux-based system for updating a web page with controller status. (See page 8-16.)

**RTV 9823, 24 Hour Time:** Added this new Run-Time Variable to say 24-hour time saying `%zero+` for zero, e.g. `%fourteen zero five+`. The existing RTV 9825 says 24-hour time saying `%oh+` for zero, e.g. `%fourteen oh five+`. Both types are now available to meet all needs.

**ScomConfigUtil:** In the generated report, add a *Transmitter Tone Generator* section to the scripts and the report. Also add a section for *Long Names*. Add *DTMF Mute Bypass* switches.

**Transmitter Tone Generator:** This new command allows direct control of each transmitter's tone generator without using the Message Handler and messages. The controller can now generate keying and voter tones as well as continuous test tones. (See page 11-33.)

## Release V1.8 Fixes

**Battery Warning-Triggered Macro:** The check of the battery status was inverted, so the macro didn't execute when expected. Fixed.

**BuildSpeechLib:** The Custom Library always contained the same build date and time from 2009. The custom library file now will contain the actual build date and time. Fixed.

**BuildSpeechLib:** The tool did not allow the Custom Library to contain any words numbered below 1000. Fixed.

**RTV 9825, 24 Hour Time:** This Run-Time Variable did not properly speak 24-hour time, e.g. fourteen oh five. Fixed.

**ScmConfigUtil:** In the generated script that contains all commands, no asterisk was added to the *User Timer Set Macro* command. There was also no asterisk added to the *Set ID Tail Message Number* command. Fixed.

## Release V1.8 Changes to the 7330 Manual

**Note:** changes in document are marked by change bars in the margins.

**Various:** Fixed several typos and page number references.

**Table of Contents:** Adjustments for new pages.

**Chapter 5, Macros:** Add a description of Long Names and document the *Select Long Names* command.

**Chapter 6, Messages:** Add references to the Plectron Tone Code Table.

**Chapter 7, DTMF Decoder:** Add a description of DTMF Mute Bypass and document the *Enable/Disable DTMF Mute Bypass* commands.

**Chapter 8, Serial Console:** Add new *Poll Front Panel Status* command.

**Chapter 8, Serial Console:** In the ScmConfigUtil report and scripts, add new Tone Generator and Long Names sections.

**Chapter 11, Transmitter:** Add a description of the Transmitter Tone Generator and document the *Control Transmitter Tone Generator* command.

**Appendix A, Programming Tables:** Add the Plectron Tone Code Table in the Tone Code section.

**Appendix A, Programming Tables:** Add new *Powerup or Reset* Boolean to the boolean table.

**Appendix A, Programming Tables:** Add new *DTMF Mute Bypass* Software Switches to the software switch table.

**Appendix A, Programming Tables:** Add new *DTMF Mute Bypass*, *Long Names* and *Transmitter Tone Generator* commands to the Command Quick Reference table.

## Release V1.8 Known Issues

**Analog-to-Digital Converter:** This firmware version includes only basic scaling and reading support for the analog inputs.

**Audio Delay Adjustment:** When the Audio Delay potentiometer is turned full counter-clockwise for no delay and the controller power is removed and restored, there may not be any repeated audio from the receiver input. If no audio delay is required for a receiver, move the DLY jumper to NODLY instead of setting the potentiometer to minimum.

**Command Response Routing Command:** Root number 91 is not yet available and is not documented in the manual. By default, message responses are heard on the port that the command was entered. For scheduler macros, messages are heard on port 1.

**Firmware Update:** Procomm XModem transfers do not work reliably.

**Remote Base:** The Doug Hall RBI-1 remote base support is not yet available.