
Release Notes

Release V1.7c

Released: 23 August 2017

Release V1.7 Contents

The following documentation is included in this release:

Documentation	Version	Build Date
Release Notes	Release 1.7c	8/23/2017
Firmware Update Manual	Release 1.7c	8/23/2017
7330 Manual	V 3.6.x	8/23/2017

The following firmware is included in this release:

Firmware	Filename	Version	Build Date
SBOOT	SBOOT_1.6.0.bin	V 1.6.0	7/27/2017
SBOOT Recovery	SBOOT_1.6.0.S19	V 1.6.0	7/27/2017
DIAG	diag_1.2.0.bin	V 1.2.0	9/4/2009
7330	7330_3.6.3.bin	V 3.6.3	8/23/2017
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 1.1.0	2/4/2017
ScomConfigUtil.exe	V 1.3.0	7/15/2017

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 V1.7 New Features

Booleans for PTT: Added new booleans for testing the PTT output of each port.

Datatype Runtime Variables (RTVs): The 7330 controller now has a number of new runtime variables used to incorporate speech into messages that include the actual values of datatypes (see page 6-60). These new RTVs include speech for Booleans, Software Switches, Counters, Timers, and Analog Inputs.

Readback Command: The 7330 controller now has a command to read back programming settings and datatype values as speech (see Chapter 3 and page 3-20). Settings and values read include Analog Inputs, Booleans, Scheduler Setpoints, User Timers, Software Switches, Timers, Counters, Path Access and Event-Triggered Macros.

SBOOT, Inhibit Cold Reset Speech Message: When the 7330 Repeater Controller program is selected to run from SBOOT Boot menu option 3, the 7330 Repeater Controller program does not speak the cold reset message to port 1 (see page 8-21). The cold reset message continues to be displayed on the serial port. There is no change to the reset message spoken to port 1 when a cold start is initiated by the RESET and INIT buttons (see page 2-8).

ScmConfigUtil: In the generated report, added User Timer Resolution to the User Timer section of the report.

Year Runtime Variables (RTVs): New calendar runtime variables have been added to speak the year in two different formats (see page 6-58).

Release V1.7 Fixes

BuildSpeechLib: The Custom Library always contained the same 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 9811, CW AM/PM: The RTV always played PM no matter what time it was. Fixed.

RTV 9814, CW Month: The RTV was incorrectly playing the hour. Fixed.

RTV 9815, CW Day of Month: The RTV was incorrectly playing the day of the month. Fixed.

RTV retired: The CW RTV that played the firmware version in CW has been removed.

SBOOT, Save Configuration: The saved configuration showed the config location as having %No File+even though the file being saved was being saved there. Fixed.

SBOOT, Save Configuration: A zero length save file name causes a crash after printing random characters to the console. Fixed.

Speech Lib: The speech word 0279 said "h-t-t-p colon backslash backslash w-w-w dot". It's supposed to say %lash+instead of %backslash+. Fixed.

Speech Lib: Some users reported that the speech word 0063 said "F+instead of %S+. Fixed.

ScomConfigUtil: In the generated report, the CW speed and CW level were not accurately reported. Fixed.

Release V1.7 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 2, Getting Started: Add a graphic of a typical bench setup. Add a description of the SBOOT left-to-right scanning LEDs.

Chapter 3, Programming Fundamentals: Expanded to include descriptions of datatypes Software Switches, Counters, Timers, and Booleans. Added the Readback command.

Chapter 5, Macros: Add an example of how to have a single macro name execute different commands on different ports (see page 5-23).

Chapter 5, Macros: Add an example of how to inhibit PTT to a transmitter after a warm start (see page 5-30). This macro is useful for tube transmitters and other radios that require a power-up delay before being keyed.

Chapter 5, Paths: Update the description of when in the transmitter tail a path timeout timer is reset.

Chapter 17, 18, and 19: Descriptions of datatypes Software Switches, Counters, Timers and Event-Triggered Macros have been moved to Chapter 3, Programming Fundamentals. Added the description of the Readback Command.

Appendix A, Programming Tables: In the Root Number table, add root number 13, Copy Message, 37, Readback and 76, If-Then-Else.

Appendix A, Programming Tables: Add new RTVs to the RTV table.

Appendix A, Programming Tables: Add new Booleans to the Boolean table. Also add the missing boolean for the serial port.

Release V1.7 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.

Release V1.7 Cautions

This firmware release should not require a *Cold-Start* of the controller. It is always good practice to document your programming so that you can reprogram the controller if required. It is also good practice to save a copy of your active configuration for easy restore after firmware update. (See *Chapter 8, Serial Port*, for more information on sending commands from a text file and for saving and restoring your controller configuration.)