

	<b>WASP-PoE Release Notes</b>		
	TITLE: WASP-PoE Release Notes		
	DOC.: WASP-PoE Release Notes.docx		
	Print DATE: 8/9/2017	PAGE:	1 of 5

Version	BL Version	PLog#	Type	Description
2.4.11	1.11	420	Feature	Updated BLE radio firmware to 2.0.20A.
2.4.10	1.11	349	Bug Fix	Fixed bug that would cause a reset if DHCP took > 15 seconds
2.4.9	1.11	339	Bug Fix	Fixed bug that was causing some network timers to trigger early
2.4.8	1.10	339	Bug Fix	Fixed another bug for the network authentication scheme in bootloader
2.4.7	1.9	339	Bug Fix	Fixed bug for the network authentication scheme in bootloader
2.4.6	1.8	330	Bug Fix	Fixed bug related to network authentication schemes
2.4.5	1.8	330	Bug Fix	Fixed bug that was causing watchdog time outs in some configurations
2.4.4	1.8		Bug Fix	Removed some debug code
2.4.3	1.8	300	Bug Fix	Re-added UDP checksum for encrypted stream data
2.4.2	1.8	292	Bug Fix	Added ethernet chip reset to its startup sequence
2.4.1	1.7	276	Bug Fix	Removed unspec'd stream data UDP checksum
		206	Bug Fix	Removed an extra debug interface
2.4.0	1.7	224	Feature	UDP Routes now act same as WASP-N – Routes 2 & 3 implemented and now allows setting routes for current session only
		205	Feature	Bootloader now sends out distress beacons when app can not be loaded
		237	Feature	Config location in binary is now at a fixed position
		180	Feature	Bootloader periodically retries to run the application after the watchdog has been triggered
		190	Bug Fix	Automated ANT radio setup responses no longer sent out
		213	Bug Fix	ANT Tx buffers now cleared whenever radio is reset
2.3.5	1.6	217	Bug Fix	Fixed issues with C7 ANT radio
2.3.4	1.6		Bug Fix	Improved radio reset error handling
			Bug Fix	Fixed bug with changing packet saver without resetting
		210	Bug Fix	Improved TCP connection stability
			Bug Fix	Made the UART radios use DMA for receiving data
			Bug Fix	Reduced the amount of time in most interrupt handlers
2.2.47	1.6	207	Feature	CODE_QUERY_RESP and EXT_QUERY_RESP packets are now sent whenever then control connection state is changed.
		209	Feature	Made CODE_QUERY_RESP & EXT_QUERY_RESP be sent 5 times during startup and on connected status changes.

	<b>WASP-PoE Release Notes</b>		
	TITLE: WASP-PoE Release Notes		
	DOC.: WASP-PoE Release Notes.docx		
	Print DATE: 8/9/2017	PAGE:	2 of 5

			Bug Fix	Made the countdown during control connection waiting not double-send 5.
		204	Feature	Disabled encryption when the OEM key is the default NPE key.
			Bug Fix	Made control connection responses be retried several times when there is an out of memory error.
		203	Bug Fix	Fixed some timing issues with SPI radio communications.
			Bug Fix	Made the transmit and receive buffers of a radio be flushed when doing radio resets.
			Bug Fix	Setting the ANT radio mode to controlled or hybrid now always triggers a reset (even if it was already in that mode).
			Bug Fix	Radios now get set to standalone mode after a control connection disconnects uncleanly.
			Feature	Updated the ANT public network key.
			Bug Fix	Made command resets still send CTRL_MSG_RESP (0xED) responses.
		208	Feature	Added the HARDWARE_RESET (0xBE) control command.
2.2.46	1.6	198	Bug Fix	Made the C7 radios be the only ones to use the line level checks (unneeded and often mis-triggered for the Nordic).
		195	Feature	Made the radio Tx queues have smaller buffers (25 bytes instead of 50) but more of them (15 instead of 7).
		195	Feature	Added support for BDD2.00B00 ANT radio firmware.
		195	Feature	Added detection of the N550 radio and change the product type based on it.
2.2.45	1.6	197	Bug Fix	Changed the Assign Channel ANT radio setup command to use unidirectional Rx only mode.
2.2.44	1.6	183, 184	Feature	Added controlled mode for ANT radios, and off mode for ANT and BLE radios.
			Feature	Added CANCEL_ANT_SEND and QUERY_ANT_TX_BUFFER_LEVEL control packet commands.
			Feature	Extended message queue for ANT radios.
		191	Feature	Added CONNECT_REJECT and CONNECT_REJECT_RESP_OK control command and response.
			Feature	Added hybrid radio mode for ANT radios.
			Feature	Added setting the radio transmit power during the ANT radio startup sequence.
		181	Feature	Non-broadcast ANT and BLE packets now returned over command TCP link as well as being sent over UDP.

	<b>WASP-PoE Release Notes</b>		
	TITLE: WASP-PoE Release Notes		
	DOC.: WASP-PoE Release Notes.docx		
	Print DATE: 8/9/2017	PAGE:	3 of 5

		193	Feature Removal	Removed the assigning of channels during the ANT radio startup sequence.
			Bug Fix	Fixed encrypted packet saver packets going over 512 bytes.
		92, 189	Bug Fix	Improved radio activity checking and resetting behavior.
			Bug Fix	Fixed some bugs in the command packet responses and error checking.
		80	Bug Fix	Radios with unknown version strings now properly fall back to radio type byte.
			Bug Fix	Fixed an improper length calculation in command packets.
		185	Bug Fix	Restriction of UDP packet sizes now takes encryption into account.
<b>2.2.43</b>	<b>1.6</b>	189	Bug Fix	Fixed an error check in the new command packet response.
			Bug Fix	Made ANT radios reset when an error occurs during radio setup.
<b>2.2.42</b>	<b>1.6</b>		Feature	Improved command packet handling.
				Made radios not reset as much.
<b>2.2.41</b>	<b>1.6</b>		Feature	Added EXT_CODE_REQ/EXT_CODE_RESP
<b>2.2.40</b>	<b>1.6</b>	113	Bug Fix	Updating radio firmware no longer has a chance to corrupt the application code.
<b>2.2.39</b>	<b>1.6</b>		Feature Removal	Removed ANT-FS support.
<b>2.2.38</b>	<b>1.6</b>	144	Bug Fix	Being on traffic-less network during startup will no longer make it go into firmware update mode.
<b>2.2.37</b>	<b>1.6</b>			Fixed 2 more bugs related to BLE on SPI radios.
<b>2.2.36</b>	<b>1.6</b>		Bug Fix	Fixed a bug with BLE on SPI radios
<b>2.2.35</b>	<b>1.6</b>		V Bump	New BLE version (1.2.01a)
<b>2.2.34</b>	<b>1.6</b>	103	Bug Fix	Radio 0 being inoperable no longer bricks device.
<b>2.2.33</b>	<b>1.6</b>		Bug Fix	ANT traffic works on UART connected radios.
			Bug Fix	Improved BLE radio firmware error handling.
			Bug Fix	Added traffic watchdogs for all radios.
<b>2.2.31</b>	<b>1.6</b>		Bug Fix	Query Response packet byte 15 updated to new spec.
<b>2.2.28</b>	<b>1.6</b>		Feature	Added traffic watchdogs for all radios.
			Feature	New radio firmware codes for BLE capabilities.
<b>2.2.27</b>	<b>1.6</b>		Feature	New radio firmware codes for BLE capabilities.
<b>2.2.26</b>	<b>1.6</b>		Feature	Improved BLE radio firmware error handling.
<b>2.2.25</b>	<b>1.6</b>		Bug Fix	Removed extra resets being done on radio 0.
<b>2.2.24</b>	<b>1.6</b>		Bug Fix	ANT traffic works on UART connected radios.

## WASP-PoE Release Notes


TITLE: WASP-PoE Release Notes

DOC.: WASP-PoE Release Notes.docx

Print DATE: 8/9/2017

PAGE: 4 of 5

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	<b>WASP-PoE Release Notes</b>		
	TITLE: WASP-PoE Release Notes		
	DOC.: WASP-PoE Release Notes.docx		
	Print DATE: 8/9/2017	PAGE:	5 of 5


## KNOWN PROBLEMS

- Setting the multicast address and port to 0.0.0.0:0 does not stop UDP packets from being sent, and they are sent on 0.0.0.0:0.