



PRODUCT NOTICE #150820: XBEE ZIGBEE (S2C) F/W UPDATE 4X59

Date:

August 20, 2015

Product:

XBee/XBee-PRO ZigBee (S2C)

Notice:

On August 20, 2015 all XBee/XBee-PRO ZigBee (S2C) radio firmware was updated from version 4x55 to 4x59. For customers who wish to test the new 4x59 firmware, it is available now through [XCTU](#) or for download on the XBee/XBee-PRO ZigBee (S2C) [Support Website](#) under Firmware Updates.

New Features:

- Source route table size increased to 40 entries.
- Source route hop count increased from 11 to 25.
- DIN, nDTR, nRTS (P4, D8, D6) now respond to PR and PD when configured as UART pins.
- ED Command returns a list (hex values in -dB) of energies found in the 802.15.4 channels.

Critical Bug Fixes:

- Fixed an issue that caused radio lockup and packet loss during SPI communication.
- Resolved issue where end devices that are pin sleeping would output duplicate received packets when communicating via SPI.
- The MXI file descriptions for the AO and MP commands have been updated.
- Resolved a bug introduced after 4055 where a transmission of a series of fragmented messages to a sleeping end device showed delays of several seconds between the messages.
- Resolved an issue where a partial IR response frame was sent by SPI.
- Resolved an issue where a fragmented message was acknowledged to its sender but dropped for lack of space in the serial Tx Buffer.
- Resolved delays in transmitting data from parent to end device if the end device lacked free buffer space.
- Resolved an issue that would cause duplicate I/O samples to be generated from a sleeping end device.
- Resolved ATND no response issue when source routing is enabled (ATAR != 0xFF).
- Corrected the S2C SMT response for ATD16 to report OK instead of ERROR, and responses for ATP52, ATP53, ATP62, ATP63, ATP72, ATP73, ATP82, ATP83, ATP94, and ATP95 to report ERROR instead of OK.

Affected Part Numbers:

Item Number	Item Description	Old Revision	New Revision
XB24CZ7UIT-004	XB, ZB S2C TH, UFL	B	C
XB24CZ7SIT-004	XB, ZB S2C TH, RPSMA	B	C
XB24CZ7WIT-004	XB, ZB S2C TH, WHIP	B	C
XB24CZ7PIT-004	XB, ZB S2C TH, PCB	B	C

XBP24CZ7UIT-004	XBP, ZB S2C TH, UFL	A	B
XBP24CZ7SIT-004	XBP, ZB S2C TH, RPSMA	A	B
XBP24CZ7WIT-004	XBP, ZB S2C TH, WHIP	A	B
XBP24CZ7PIT-004	XBP, ZB S2C TH, PCB	A	B
XB24CZ7PITB003	XB, ZB S2C TH, Prog 32K, PCB	A	B
XB24CZ7WITB003	XB, ZB S2C TH, Prog 32K, WHIP	A	B
XB24CZ7UITB003	XB, ZB S2C TH, Prog 32K, UFL	A	B
XB24CZ7SITB003	XB, ZB S2C TH, Prog 32K, RPSMA	A	B
XBP24CZ7PITB003	XBP, ZB S2C TH, Prog 32K, PCB	A	B
XBP24CZ7WITB003	XBP, ZB S2C TH, Prog 32K, WHIP	A	B
XBP24CZ7UITB003	XBP, ZB S2C TH, Prog 32K, UFL	A	B
XBP24CZ7SITB003	XBP, ZB S2C TH, Prog 32K, RPSMA	A	B
XB24CZ7PIS-004	XB, ZB S2C SMT,PCB Ant, AT	J	K
XK-Z11-S	ZigBee SMT RF Module Dev Kit	P	R
XK-Z11-S-W	ZigBee SMT RF Module Dev Kit	M	N
XK-Z11-S-WA	ZigBee SMT RF Module Dev Kit	P	R
XB24CZ7RIS-004	XB, ZB S2C SMT,RF Pad AT	K	L
XB24CZ7UIS-004	XB, ZB S2C SMT,UFL AT	K	L
XB24CZ7PISB003	XB,ZB S2C SMT Prog 32K PCB API	K	L
XK2-Z7SBE0	XBP, ZB SMT 32K Prog Dev Kit E	L	M
XK2-Z7SBJ0	XBP, ZB SMT 32K Prog Dev Kit J	K	L
XB24CZ7RISB003	XB, ZB S2C SMT Prog 32K RFP API	L	M
XB24CZ7UISB003	XB, ZB S2C SMT Prog 32K UFL API	K	L
XB24CZ7PISB701	XB, ZB S2C SMT,PCB Ant (Converted Prog)	E	F
XB24CZ7RISB701	XB, ZB S2C SMT,RF Pad AT (Converted Prog)	E	F
XB24CZ7UISB701	XB, ZB S2C SMT,UFL (Converted Prog)	E	F
XBP24CZ7PIS-004	XBP, ZB S2C SMT PCB Ant AT	M	N
XBP24CZ7RIS-004	XBP, ZB S2C SMT RF Pad AT	M	N
XBP24CZ7UIS-004	XBP, ZB S2C SMT UFL AT	M	N
XBP24CZ7PISB003	XBP ZB S2C SMT,Prog 32K,PCB Ant	M	N
XK2-Z7SB0	XBP, ZB SMT 32K Prog Dev Kit U	M	N
XBP24CZ7RISB003	XBP, ZB S2C SMT Prog 32K RF API	N	P
XBP24CZ7UISB003	XBP, ZB S2C SMT,Prog 32K,UFL	M	N
XBP24CZ7PISB701	XBP, ZB S2C SMT PCB Ant (Converted Prog)	E	F
XBP24CZ7RISB701	XBP, ZB S2C SMT,RF Pad AT (Converted Prog)	E	F
XBP24CZ7UISB701	XBP, ZB S2C SMT,UFL (Converted Prog)	E	F

Additional Information:

If you have concerns or questions about this notice please contact your sales representative or our support department via telephone at 801-765-9885.