Please note that you need to use the XRFV2 version of the button firmware with the XRF v2.0

Button devices simply detect a HIGH/LOW state of 2 channels and can if desired sleep in between. Many different settings can be adjusted to suit any application such as de-bounce, trailing or leading edge detection, inversion and more.

Pins used (standard on the Buttonboard):-

XRF v1.5

ButtonA - pin 14 (P1_1) see pull up note
ButtonB - pin 15 (P0_7)
Hall effect - pin 13 (P1_3)

P1_1 pull up note:

This pin requires an external pull up, 1Mohm is recomened but anything down to 10K will work

version 1.8 (or later) of the CCB PCB's include pads for this resistor, see the bottom of this build guide for
details http://openmicros.org/index.php/articles/88-ciseco-product-documentation/211-ccb-coin-cell-board-pictorial-build-guide

axxREBOOT--- - saves any changes and reboots the device

axxCHREMIDyy - Set the remote ID (i.e. target of button presses)

axxMSGmmmmmm - Set up to 6 char message

axxTYPn----- - Set button board type – note the text BUTTON, RELAY, LIGHT etc is set using axxMSG, default is BUTTON

0 – Normal button board messages (default)

ayyBUTTONA—

ayyBUTTONB—

1 – like a light switch

ayyBUTTONON-

ayyBUTTONOFF

2 – like a relay button

ayyRELAYATOG

ayyRELAYBTOG

3 - use the Hall effect sensor on the Buttonboard - do not send on deactivation

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ayyHALL-----

8 – like my front door – sends messages on the rising edge as well as the falling edge

ayyFDOORAON-

ayyFDOORAOFF

ayyFDOORBON-

ayyFDOORBOFF

11 - use the Hall effect sensor on the Buttonboard - send on both activation and deactivation

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ayyHALLON---

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ayyHALLOFF--

axxDEB999999 - set the debounce time in mS – default 50

axxSLEEP---- - saves any changes and requests device to sleep and wait for change of input state,
when sleeping, on every tenth activation send supply voltage:-

axxAWAKE----

axxBATTn.nn-

100mS delay

axxSLEEPING-

axxWAKE----- - Will wake up the device(stop sleeping) if sent when active

axxINVERTON- - Invert inputs (high voltage = activate, low voltage – deactivate), inputs internally pulled low

axxINVERTOFF - Normal (low voltage = activate, high voltage – deactivate), inputs internally pulled high