

Bit number	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
ID		D	D	D	C	C	C	B	B	B	A	A	A																			
<b>Reset 0x00000421</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	1		
ID	R/W	Field		Value ID		Value		Description																								
A	RW	RATE4M						For modes with 4 Mbps on-air bit rate, unit is 2 bit periods (Nrf_4Mbit0_5 and Nrf_4Mbit0_25 modes)																								
B	RW	RATE2M						Default 1 (0.5 us = 2 on-air bit periods)																								
B	RW	RATE2M						For modes with 2 Mbps on-air bit rate, unit is 1 bit period (Nrf_2Mbit, Ble_2Mbit, and ieee802154_250Kbit modes)																								
C	RW	RATE1M						Default 2 (1 us = 2 on-air bit periods)																								
C	RW	RATE1M						For modes with 1 Mbps on-air bit rate, unit is 1/2 bit period (Nrf_1Mbit, Ble_1Mbit, Ble_LR125Kbit, and Ble_LR500Kbit modes)																								
D	RW	RATE250K						Default 4 (2 us = 2 on-air bit periods)																								
D	RW	RATE250K						For modes with 250 kbps on-air bit rate, unit is 1/8 bit period (Nrf_250Kbit mode)																								
D	RW	RATE250K						Default 0																								

## 8.17.14.100 STATE

Address offset: 0x520

Current radio state

Bit number	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0		
ID																																		
<b>Reset 0x00000000</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
ID	R	Field		Value ID		Value		Description																										
A	R	STATE						Current radio state																										
A	R	STATE			Disabled	0		RADIO is in the DISABLED state																										
A	R	STATE			RxRu	1		RADIO is in the RXRU state																										
A	R	STATE			RxIdle	2		RADIO is in the RXIDLE state																										
A	R	STATE			Rx	3		RADIO is in the RX state																										
A	R	STATE			RxDisable	4		RADIO is in the RXDISABLE state																										
A	R	STATE			TxRu	9		RADIO is in the TXRU state																										
A	R	STATE			TxIdle	10		RADIO is in the TXIDLE state																										
A	R	STATE			Tx	11		RADIO is in the TX state																										
A	R	STATE			TxDISABLE	12		RADIO is in the TXDISABLE state																										

## 8.17.14.101 EDCTRL

Address offset: 0x530

IEEE 802.15.4 energy detect control