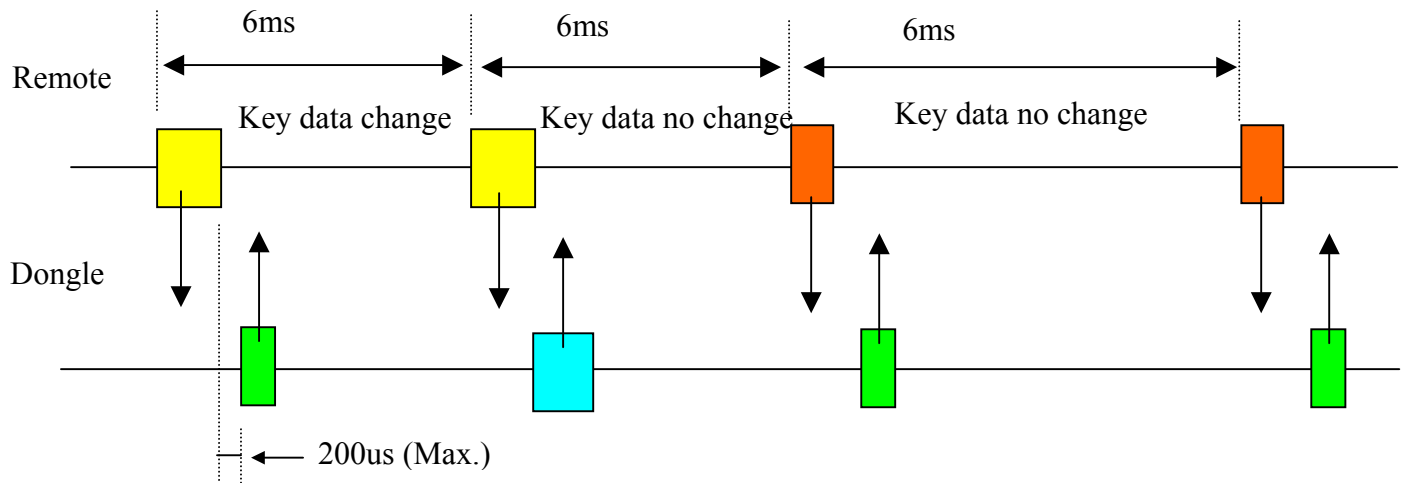


Nordic Wireless Xbox Game-Pad Data Transfer Description :

2004/09/24

Normal Transfer:



Yellow: Key Data.

1byte Preamble+5 bytes Address+18 bytes Payload+1 bytes CRC: 250us

Orange: Connect Data.

1byte Preamble+5 bytes Address+3bytes Payload+1 bytes CRC: 156us

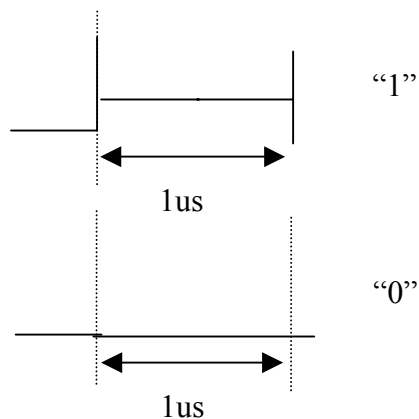
Green: ACK signal.

1byte Preamble+5 bytes Address+3bytes Payload+1 bytes CRC: 158us

Blue: Motor Data.

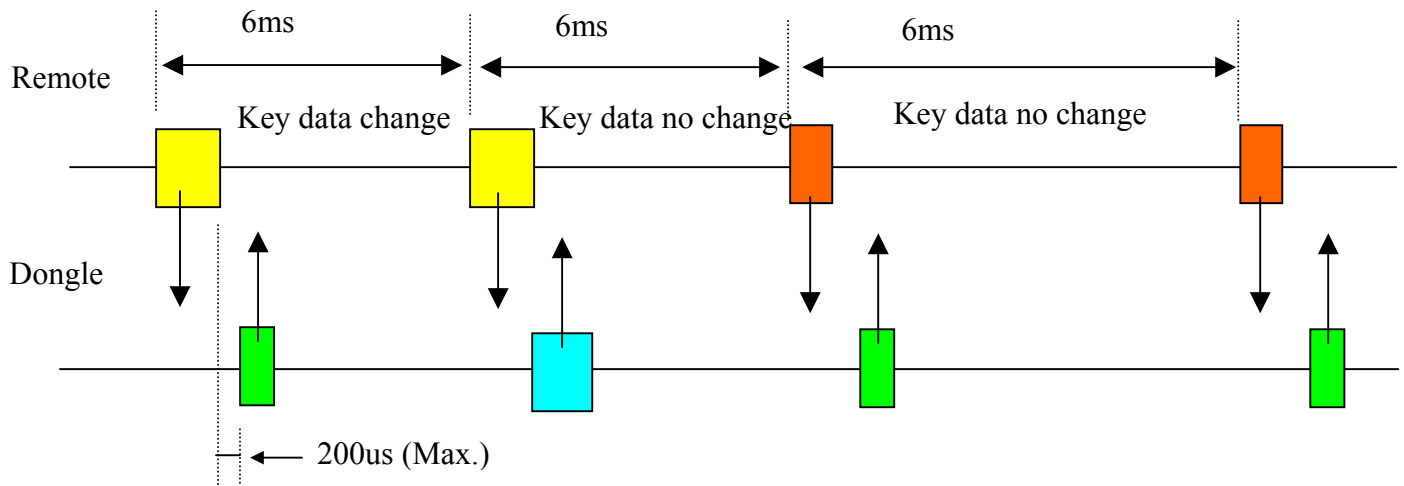
1byte Preamble+5 bytes Address+6bytes Payload+1 bytes CRC: 192us

Bit format: RZ code.



Calculation of average factor

Normal Transfer:



For dongle:

Blue: Motor Data.

1byte Preamble+5 bytes Address+6bytes Payload+1 bytes CRC: 192us

Average Factor = $0.192 / 6 = 0.032$ or -29.9 dB

As the calculated value exceeds 20 dB, average factor of 20 dB is used.