

## Touch Report Command of IRTouch Serial Firmware Protocol

In the data packet, the first data after the lead byte (55H) is a command byte, with the following seven bytes carrying data. The touch report message uses the command 'T', meaning touch event; no response is required.

Here is a typical data packet:

Byte #		1	2	3	4	5	6	7	8
55H	'T'	Status	XLow	XHigh	YLow	YHigh	FFH	0	CRC

For the Status byte, here is the bit definition:

Bit0=1: means touch starting

Bit1=1: means uninterrupted touch event

Bit2=1: means touch finished

Bit4=1: default 1

Other bits are not used.

$CRC = 0xAA + \text{Byte0} + \text{Byte1} + \text{Byte2} + \text{Byte3} + \text{Byte4} + \text{Byte5} + \text{Byte6} + \text{Byte7} + \text{Byte8}$

The coordinate byte includes 12bits (0-4095). Only the lower 4 bits of the high byte are used.