

i3TOUCH PREMIUM 05

RS232 CONTROL GUIDE



i3TOUCH P6505 T10
i3TOUCH P7505 T10

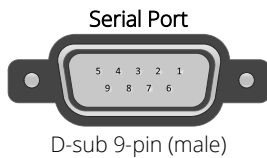
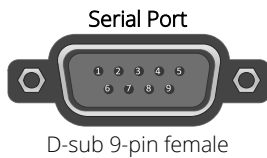
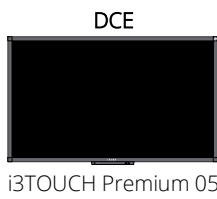


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1. Commucation Parameters

Communication system	RS-232C
Synchronous system	Asynchronous communication
Baud rate	9600 bps
Character length	8 bit
Parity	None
Start bit	1 bit
Stop bit	1 bit
Flow control	None

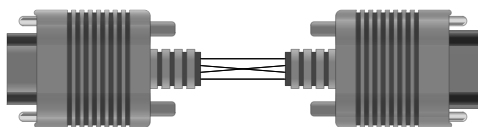
2. Pin Configuration



Pin Connection				
Pin	Signal		Pin	Signal
1	GND	X	1	DCD
2	RXD		2	RXD
3	TXD		3	TXD
4	/		4	DTR
5	GND		5	GND
6	/		6	DSR
7	/		7	RTS
8	/		8	CTS
9	/		9	RI
FRAME	/	FRAME	GND	

Cable Type

For the i3TOUCH is (depending on the DTE), most likely a crossed RS-232 cable is required. If Pin 2 and 3 of the DTE are RX and TX respectively, then the RS-232 cable needs to cross the wires to Pin 3 and 2 respectively.



3. Communication Data Format

The commands consist of 9 characters. For example, to turn on the i3TOUCH, the command is **S0010001EN**.

STX	Address	Type	CmdID	D2	D1	D0	EXT
S	0	0	1 0	0	0	1	E N

The first command character is the Start of Text character (STX). This is set to be the "S" character.

The address character is the device address. These should be 0 to act as the global address.

The "Type" character is not to be used to send RS commands.

The two CmdID characters are the command identifier.

The three following characters are the data values (decimal from 000 to 100).

Finally, the string of characters is ended by two End of Text characters "E" and "N".

4. Command Sheet

- Power Control

Command	STX	Addr	Type	ID	ID	D2	D1	D0	EXT	EXT	Remark
POWER OFF	S	0	0	1	0	0	0	0	E	N	
POWER ON								1			

- Source Control

Command	STX	Addr	Type	ID	ID	D2	D1	D0	EXT	EXT	Remark
VGA	S	0	0	2	0	0	0	0	E	N	
HDMI 1								1			
HDMI 2								2			
OPS								3			
DisplayPort								4			
Whiteboard								5			
Android								6			

- Brightness Control

Command	STX	Addr	Type	ID	ID	D2	D1	D0	EXT	EXT	Remark
0 %	S	0	0	3	0	0	0	0	E	N	
50 %						0	5	0			
100 %						1	0	0			
Plus						1	0	0			
Minus						2	0	0			

- Language Control

Command	STX	Addr	Type	ID	ID	D2	D1	D0	EXT	EXT	Remark
English	S	0	0	4	0	0	2	0	E	N	
French								1			
German								2			
Chinese Simpl.								6			
Chinese Tradi.								7			

- Volume Control

Command	STX	Addr	Type	ID	ID	D2	D1	D0	EXT	EXT	Remark
0 %	S	0	0	5	0	0	0	0	E	N	
50 %						0	5	0			
100 %						1	0	0			
Up						1	0	0			
Down						2	0	0			

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