

i3TOUCH PREMIUM 04

RS232 CONTROL GUIDE



i3TOUCH P5504 T10
i3TOUCH P6504 T10
i3TOUCH P7004 T10
i3TOUCH P8404 T10
i3TOUCH P8404 T10 4K

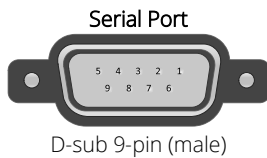
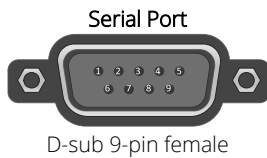


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1. Commucation Parameters

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

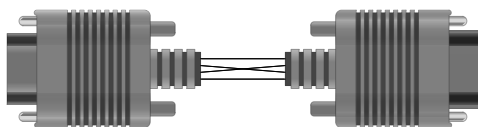
2. Pin Configuration



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 8 bit signals, with space breaks included. For example, to turn on the i3TOUCH, the command is **KA 00 01**.

CMD		Space	ID		Space	Data	
K	A		0	0		0	1

The first two command bits are the Function Command Values. See available commands in the command sheet below.

Included in the commands, are two space brakes.

The two ID bits form the ID of your i3TOUCH. ID's 00 are universal and work on all i3TOUCH displays. Set ID's (from 01 up to 99) are specific, and can be used to communicate with one i3TOUCH when various i3TOUCH displays are connected in the same setting. The i3TOUCH then has to have an ID assigned in the Menu Settings. Standard, unless you have changed the ID of the i3TOUCH display, all ID's are set to 00.

The final two command bits are the Function Data Values. See available commands in the command sheet below.

4. Command Sheet

- Power Control

Command 1	Command 2	Data	Remark
K	A	00 : Power OFF	
		01 : Power ON	

- Source Control

Command 1	Command 2	Data	Remark
K	B	02 : AV (Option)	Source options may be different per model.
		04 : Component (Option)	
		07: PC	
		09 : HDMI 1	
		0A : HDMI 2	
		0B : HDMI 3	
		0C: Display Port	

- ARC Control

Command 1	Command 2	Data	Remark
K	C	00 : Auto	ARC options are different per input source.
		01 : 4:3	
		02 : 16:9	
		03 : 14:9	
		04 : Zoom 1	
		05 : Zoom 2	
		06 : Spectacle	

- Picture Control

Command 1	Command 2	Data	Remark
K	U : Color Temp.	00 : Normal	
		01 : Cool	
		02 : Warm	
	G : Contrast	00 – 64 (hex)	
	H : Brightness		
	K : Sharpness		
I : Color			
J : Tint		R50 – G50	

- Sound Control

Command 1	Command 2	Data	Remark
K	E : Mute	00 : Mute ON	
		01 : Mute OFF	
	F : Volume T : Balance	00 – 64 (hex)	
M	C : Volume Inc./Dec.	8F : Down	
		90 : Up	

- Remote Control

Command 1	Command 2	Data	Remark
K	M	00 : ON	
		01 : OFF	

- Remote Control Keys Commands

Command 1	Command 2	Data	Remark
M	C	80 : POWER	
		95 : MENU	
		8F : LEFT	
		8D : UP	
		8C : ENTER	
		90 : RIGHT	
		8E : DOWN	
		96 : EXIT	
		AC : SOURCE	

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