

Applicable for following Products:

PL T3234MSC-B1, Production Jan 2013 onwards

PL T3234MSC-B2, all

PL T3234MSC-B2X, all

RS232 Command:

1.The virtual serial port should be configured as follows.

Bits per second – 19200

Data bits – 8

Parity – None

Stop bits – 1

Flow control – None

2. An explanation of the content transmitted to the display

Tx: [line 1] BE EF 03 19 00 HH HH II JJ JJ CC CC FF FF FF FF

[illegible]

BE EF – signifies the beginning of the transmission (always BE EF)

03 – indicates the packet type (typically 03 in this application)

19 00 – indicates the packet length (typically 19 00 in this application)

HH HH – gives the calculated CRC checksum for the transmission

II – gives the operation type

JJ JJ – gives the operation name (least significant byte is on the left)

KK – gives the operation value

All CC, FF, or 00 – not applicable... always CC, FF or 00 as indicated

Application :

```
//Power on:
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0xBE,0xEF,0x03,0x19,0x00,0x00,0x00,**0x01**,**0x00**,**0x02**,0x01,0x00,0x00,0x00,0x00,0x00,**0x00**,0x00,0x00,0x00,0xCC,0xCC,0xCC,0xCC
 ,0xCC,0xCC,0xCC,0xCC,0xCC,0xCC, 0xCC

//Power off

0xBE,0xEF,0x03,0x19,0x00,0x00,0x00,0x01,0x00,0x02,0x01,0x00,0x00,0x00,0x00,0x04,0x00,0x00,0x00,0xCC,0xCC,0xCC,0xCC,0xCC,0xCC,0xCC,0xCC,0xCC,0xCC,0xCC

//change to VGA

0xBE,0xEF,0x03,0x19,0x00,0x00,0x00,0x01,0x49,0x10,0x01,0x00,0x00,0x00,0x00,0x01,0x00,0x00,0x00,0xCC,0xCC,0xCC,0xCC,0xCC,0xCC,0xCC,0xCC,0xCC

//change to DVI

0xBE,0xEF,0x03,0x19,0x00,0x00,0x00,0x01,0x49,0x10,0x01,0x00,0x00,0x00,0x00,0x03,0x00,0x00,0x00,0xCC,0xCC,0xCC,0xCC,0xCC,0xCC,0xCC,0xCC,0xCC

//Auto Adjust

0xBE,0xEF,0x03,0x19,0x00,0x00,0x00,0x01,0x02,0x01,0x01,0x00,0x00,0x00,0x00,0x01,0x00,0x00,0x00,0xCC,0xCC,0xCC,0xCC,0xCC,0xCC,0xCC,0xCC,0xCC

//Lock Power

0xBE,0xEF,0x03,0x19,0x00,0x00,0x00,0x01,0x01,0x01,0x01,0x00,0x00,0x00,0x00,0x01,0x00,0x00,0x00,0xCC,0xCC,0xCC,0xCC,0xCC,0xCC,0xCC,0xCC,0xCC

//Unlock Power

0xBE,0xEF,0x03,0x19,0x00,0x00,0x00,0x01,0x01,0x01,0x01,0x00,0x00,0x00,0x00,0x00,0x02,0x00,0x00,0x00,0xCC,0xCC,0xCC,0xCC,0xCC,
,0xCC,0xCC,0xCC,0xCC,0xCC,0xCC, 0xCC

//Lock OSD

0xBE,0xEF,0x03,0x19,0x00,0x00,0x00,0x01,0x01,0x01,0x01,0x00,0x00,0x00,0x00,0x00,0x03,0x00,0x00,0x00,0xCC,0xCC,0xCC,0xCC,0xCC,
,0xCC,0xCC,0xCC,0xCC,0xCC,0xCC, 0xCC

//Unlock OSD

0xBE,0xEF,0x03,0x19,0x00,0x00,0x00,0x01,0x01,0x01,0x01,0x00,0x00,0x00,0x00,0x00,0x04,0x00,0x00,0x00,0xCC,0xCC,0xCC,0xCC,0xCC,
,0xCC,0xCC,0xCC,0xCC,0xCC,0xCC, 0xCC

//Factory Reset

0xBE,0xEF,0x03,0x19,0x00,0x00,0x00,0x01,0x03,0x04,0x01,0x00,0x00,0x00,0x00,0x00,0x01,0x00,0x00,0x00,0xCC,0xCC,0xCC,0xCC,0xCC,
,0xCC,0xCC,0xCC,0xCC,0xCC,0xCC, 0xCC

//OSD H-POS

0xBE,0xEF,0x03,0x19,0x00,0x00,0x00,0x01,0x03,0x01,0x01,0x00,0x00,0x00,0x00,0x00,Adjust_Scroll_Change(0-100),0x00,0x00,0x00,0xCC,0x
CC,0xCC,0xCC,0xCC,0xCC,0xCC,0xCC,0xCC,0xCC, 0xCC

//OSD V-POS

0xBE,0xEF,0x03,0x19,0x00,0x00,0x00,0x01,0x03,0x02,0x01,0x00,0x00,0x00,0x00,0x00,Adjust_Scroll_Change(0-100),0x00,0x00,0x00,0xCC,0x
CC,0xCC,0xCC,0xCC,0xCC,0xCC,0xCC,0xCC,0xCC, 0xCC

//OSD TIMEOUT

0xBE,0xEF,0x03,0x19,0x00,0x00,0x00,0x01,0x03,0x03,0x01,0x00,0x00,0x00,0x00,0x00,Adjust_Scroll_Change(5-60),0x00,0x00,0x00,0xCC,0xC
C,0xCC,0xCC,0xCC,0xCC,0xCC,0xCC,0xCC,0xCC,0xCC

// SET ENGLISH

0xBE,0xEF,0x03,0x19,0x00,0x00,0x00,0x01,0x04,0x01,0x01,0x00,0x00,0x00,0x00,0x00,0x01,0x00,0x00,0x00,0xCC,0xCC,0xCC,0xCC,0xCC
,0xCC,0xCC,0xCC,0xCC,0xCC,0xCC,0xCC

// SET FRANCAIS

0xBE,0xEF,0x03,0x19,0x00,0x00,0x00,0x01,0x04,0x01,0x01,0x00,0x00,0x00,0x00,0x00,0x02,0x00,0x00,0x00,0xCC,0xCC,0xCC,0xCC,0xCC
,0xCC,0xCC,0xCC,0xCC,0xCC,0xCC,0xCC

// SET DEUTSCH

0xBE,0xEF,0x03,0x19,0x00,0x00,0x00,0x01,0x04,0x01,0x01,0x00,0x00,0x00,0x00,0x00,0x03,0x00,0x00,0x00,0xCC,0xCC,0xCC,0xCC,0xCC
,0xCC,0xCC,0xCC,0xCC,0xCC,0xCC,0xCC

// SET ITALIANO

0xBE,0xEF,0x03,0x19,0x00,0x00,0x00,0x01,0x04,0x01,0x01,0x00,0x00,0x00,0x00,0x00,0x04,0x00,0x00,0x00,0xCC,0xCC,0xCC,0xCC,0xCC
,0xCC,0xCC,0xCC,0xCC,0xCC,0xCC,0xCC

//SET ESPANOL

0xBE,0xEF,0x03,0x19,0x00,0x00,0x00,0x01,0x04,0x01,0x01,0x00,0x00,0x00,0x00,0x00,0x05,0x00,0x00,0x00,0xCC,0xCC,0xCC,0xCC,0xCC
,0xCC,0xCC,0xCC,0xCC,0xCC,0xCC,0xCC

//SET 日本語

0xBE,0xEF,0x03,0x19,0x00,0x00,0x00,0x01,0x04,0x01,0x01,0x00,0x00,0x00,0x00,0x00,0x06,0x00,0x00,0x00,0xCC,0xCC,0xCC,0xCC,0xCC,0xCC,0xCC,0xCC,0xCC

//SET 繁體字

0xBE,0xEF,0x03,0x19,0x00,0x00,0x00,0x01,0x04,0x01,0x01,0x00,0x00,0x00,0x00,0x00,0x07,0x00,0x00,0x00,0xCC,0xCC,0xCC,0xCC,0xCC,0xCC,0xCC,0xCC,0xCC

//SET 簡體字

0xBE,0xEF,0x03,0x19,0x00,0x00,0x00,0x01,0x04,0x01,0x01,0x00,0x00,0x00,0x00,0x00,0x08,0x00,0x00,0x00,0xCC,0xCC,0xCC,0xCC,0xCC,0xCC,0xCC,0xCC,0xCC

//SET 9300K

0xBE,0xEF,0x03,0x19,0x00,0x00,0x00,0x01,0x05,0x01,0x01,0x00,0x00,0x00,0x00,0x00,0x01,0x00,0x00,0x00,0xCC,0xCC,0xCC,0xCC,0xCC,0xCC,0xCC,0xCC,0xCC

//SET 6500K

0xBE,0xEF,0x03,0x19,0x00,0x00,0x00,0x01,0x05,0x01,0x01,0x00,0x00,0x00,0x00,0x00,0x02,0x00,0x00,0x00,0xCC,0xCC,0xCC,0xCC,0xCC,0xCC,0xCC,0xCC,0xCC

//SET 5500K

0xBE,0xEF,0x03,0x19,0x00,0x00,0x00,0x01,0x05,0x01,0x01,0x00,0x00,0x00,0x00,0x00,0x03,0x00,0x00,0x00,0xCC,0xCC,0xCC,0xCC,0xCC,0xCC,0xCC,0xCC,0xCC

//SET 7500K

0xBE,0xEF,0x03,0x19,0x00,0x00,0x00,0x01,0x05,0x01,0x01,0x00,0x00,0x00,0x00,0x00,0x04,0x00,0x00,0x00,0xCC,0xCC,0xCC,0xCC,0xCC,0xCC,0xCC,0xCC,0xCC,0xCC,0xCC

//SET USER

0xBE,0xEF,0x03,0x19,0x00,0x00,0x00,0x01,0x05,0x01,0x01,0x00,0x00,0x00,0x00,0x00,0x05,0x00,0x00,0x00,0xCC,0xCC,0xCC,0xCC,0xCC,0xCC,0xCC,0xCC,0xCC

//ADJUST CONTRAST

0xBE,0xEF,0x03,0x19,0x00,0x00,0x00,0x01,0x48,0x02,0x01,0x00,0x00,0x00,0x00,0x00,Adjust_Scroll_Change(0-100),0x00,0x00,0x00,0xCC,0xCC,0xCC,0xCC,0xCC,0xCC,0xCC,0xCC,0xCC

//ADJUST BRIGHTNESS

0xBE,0xEF,0x03,0x19,0x00,0x00,0x00,0x01,0x47,0x02,0x01,0x00,0x00,0x00,0x00,0x00,Adjust_Scroll_Change(0-100),0x00,0x00,0x00,0xCC,0xCC,0xCC,0xCC,0xCC,0xCC,0xCC,0xCC,0xCC

//ADJUST VOLUME

0xBE,0xEF,0x03,0x19,0x00,0x00,0x00,0x01,0x06,0x01,0x01,0x00,0x00,0x00,0x00,0x00,Adjust_Scroll_Change(0-100),0x00,0x00,0x00,0xCC,0xCC,0xCC,0xCC,0xCC,0xCC,0xCC,0xCC,0xCC

//MUTE ON

0xBE,0xEF,0x03,0x19,0x00,0x00,0x00,0x01,0x06,0x02,0x01,0x00,0x00,0x00,0x00,0x00,0x01,0x00,0x00,0x00,0xCC,0xCC,0xCC,0xCC,0xCC,0xCC,0xCC,0xCC,0xCC

//MUTE OFF

0xBE,0xEF,0x03,0x19,0x00,0x00,0x00,0x01,0x06,0x03,0x01,0x00,0x00,0x00,0x00,0x00,0x01,0x00,0x00,0x00,0xCC,0xCC,0xCC,0xCC,0xCC,
,0xCC,0xCC,0xCC,0xCC,0xCC,0xCC, 0xCC

//AUTO SYNC

0xBE,0xEF,0x03,0x19,0x00,0x00,0x00,0x01,0x07,0x01,0x01,0x00,0x00,0x00,0x00,0x00,0x01,0x00,0x00,0x00,0xCC,0xCC,0xCC,0xCC,0xCC,
,0xCC,0xCC,0xCC,0xCC,0xCC,0xCC, 0xCC

//VGA SYNC

0xBE,0xEF,0x03,0x19,0x00,0x00,0x00,0x01,0x07,0x02,0x01,0x00,0x00,0x00,0x00,0x00,0x01,0x00,0x00,0x00,0xCC,0xCC,0xCC,0xCC,0xCC,
,0xCC,0xCC,0xCC,0xCC,0xCC,0xCC, 0xCC

//DVI SYNC

0xBE,0xEF,0x03,0x19,0x00,0x00,0x00,0x01,0x07,0x03,0x01,0x00,0x00,0x00,0x00,0x00,0x01,0x00,0x00,0x00,0xCC,0xCC,0xCC,0xCC,0xCC,
,0xCC,0xCC,0xCC,0xCC,0xCC,0xCC, 0xCC

PS:After RS232 send commands, please empty the array of command bit.