

# RS485 Communication Instruction

**Rs485** communication has two ways to communicate: one way is single sign communication, the other is multi-sign communication.

## Single sign communication:

■ Disconnect all the signs, and only communicate to a single sign. Please setting the sign as shown in image 1.

1. As shown in image 2, select “Options\Led State\Set sign number(RS485)”.
2. Input “sign number” in framed space, then click “setting”. Such as the image3, we set sign number as 003.

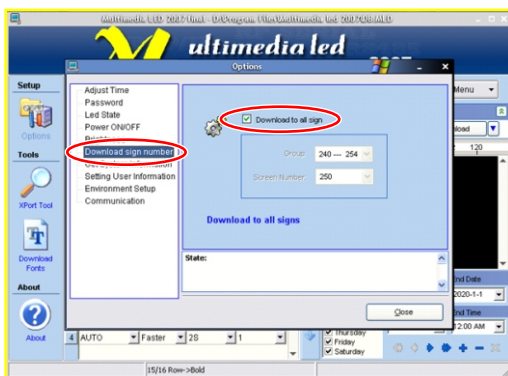


image 1

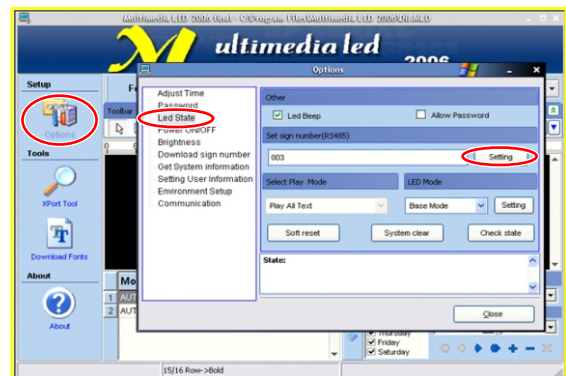


image 2

3. When the framed space appears “serial set sign number failed!”, Please close the window. ( It **only** appears “serial set sign number is successful”, when the sign number set as 001. If set other numbers, it show unsuccessful, please continue to operate because it is normal phenomenons .)

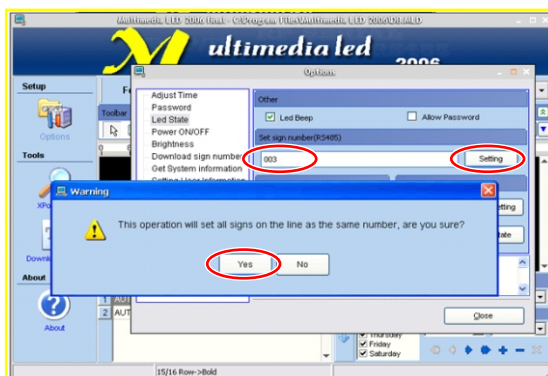


image 3

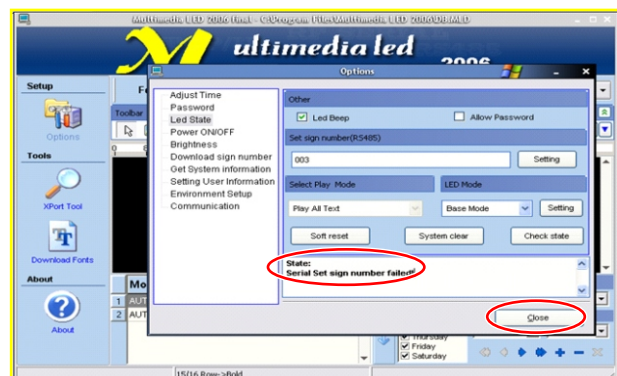


image 4

■ Press “ctrl+F3”, the software boundary will show up :

1. As shown in image 5, select the communication way as “Rs485” and signlogo as “VISIBLE”. The other setting is according to your requirement. As shown in image 6, the sign number set as 003.

2. When it appears “serial setting parameter failed” in the bottom left corner, please click “close” to exit as shown in image 7. ( It only appears “serial setting parameter successfully”, when the sign number set as 001.)

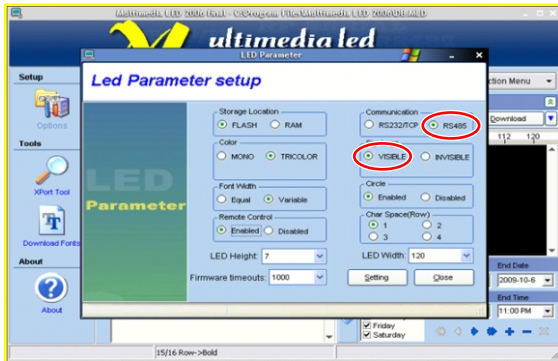


image 5

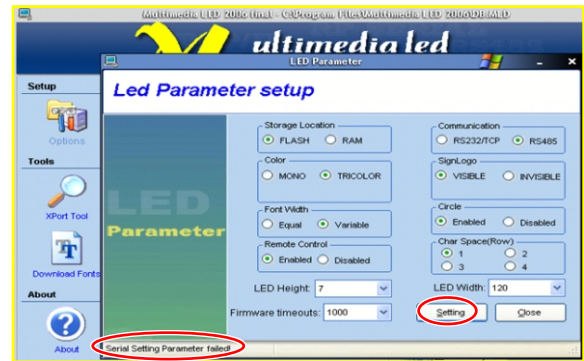


image 7

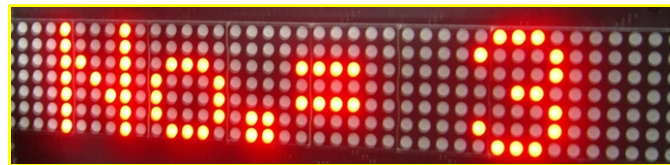


image 6

■ After finishing above steps, please click “Option\Download sign number”. (As shown in image 8, the screen number set as 3.)

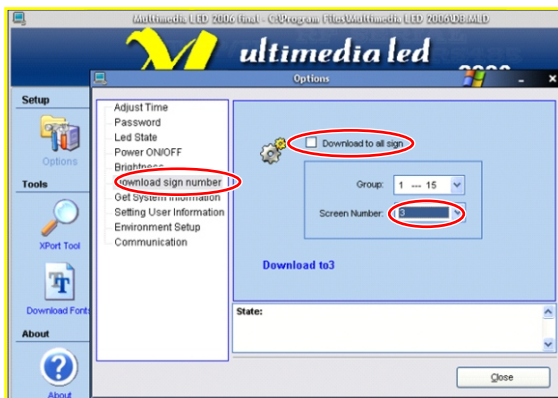


image 8

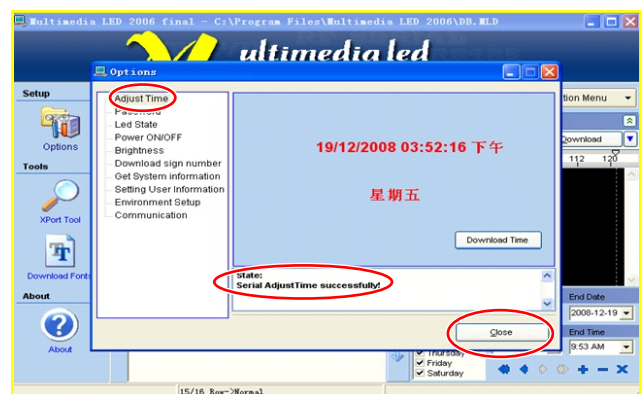
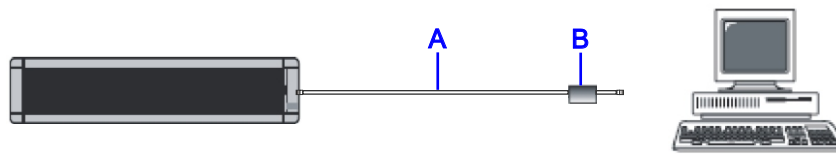





image 9

■ Select “Adjust Times”, and click “download” to adjust time. Then the boundary appears “serial adjust time successfully!” Click “close” to close the boundary. (Image 9) If you want to setting the other sign number, please turn back image 1 to reset.

## Single sign connection:



Item	picture	Description
A		6 core communication cable
B	 Indoor, semi-outdoor	Connector (Indoor, semi-outdoor connector can connect to PC directly.)
	 Outdoor	USB to Rs485 cable (connect converter to Pc USB port)

## Multi-sign communication:

■ After setting all the sign number, please connect all the sign together and communicate to the **single** sign through sign number choice. Please note the sign number can not be repeated, otherwise will affect communication.

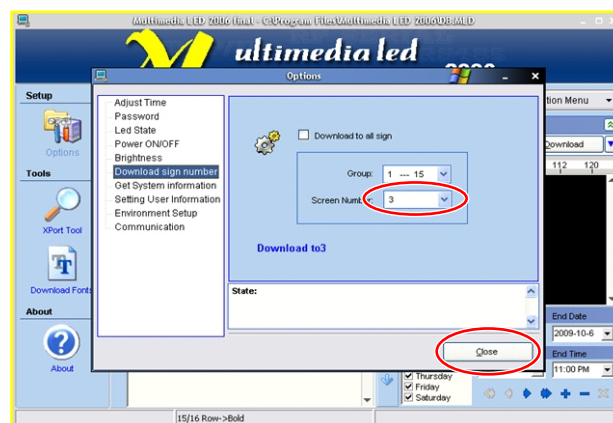


image 10

■ If you need to communicate all signs at one time, please do these steps:  
Select “download to all sign”, then click “close”.

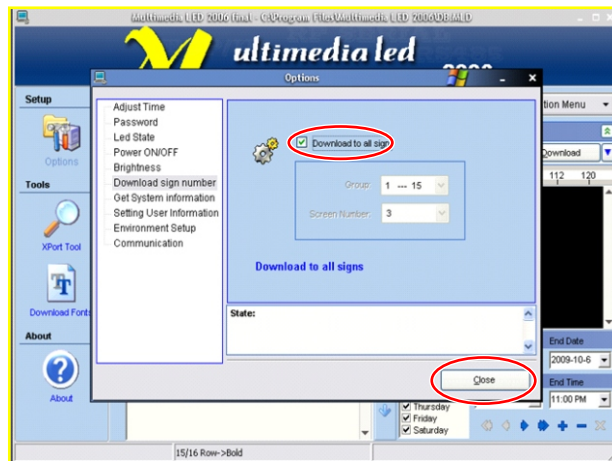
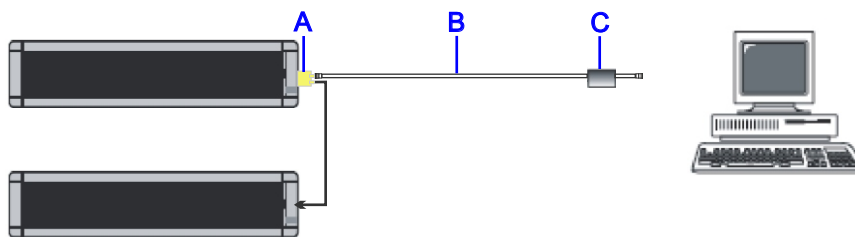


image 11

Please make sure one of the sign number set as 1, otherwise it will appear “return information failed”.

### **Multi-sign connection:**



Item	picture	Description
A		1 to 2 communication adaptor
B		6 core communication cable
C	Indoor, semi-outdoor	Connector (Indoor, semi-outdoor connector can connect to PC directly.)
	Outdoor	USB to Rs485 cable (connect converter to Pc USB port)