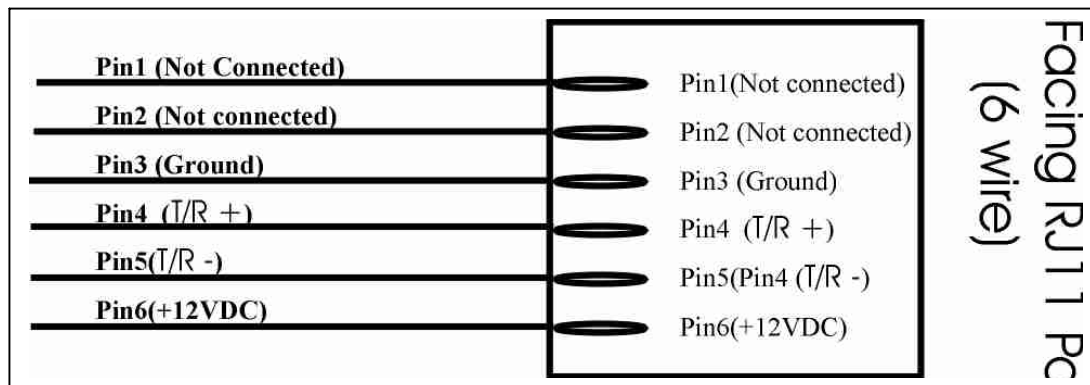


RS485 Communication protocol:

The AMA1080p-HD can play through the RS485 port and the setting is 9600 baud, 8 bit, N, 1 stop bit. Here is the wiring diagram for the RJ12 port (6 wire):



Using the RS485 port, you can control the playback from a PC or other micro controller, The basic command structure is #<address><function>:<value> <CR>

- ◆ Where address is the AMA1080p address. 00 is a global address (broadcast).
- ◆ Function is one of the AMA1080p special functions for the IR mode and Timer mode.
- ◆ Value is the actual value of the function expressed in number between 1- to 20. If value is 0, function is disabled.
- ◆ <CR> is carriage return, hex value is 0x13 (0x0d).

Here is the list of the RS485 commands:

Set board address:

@0:ADDR:5 <CR>

Board is now set to 5.

Remember: 0 is global address, all AMA1080p in the RS485 network will react to this.

Play an input:

@0:1<CR>

Global, all AMA1080p's play input 1.

Input 1 is line 01=xxx in the autoplay.txt

PAUSE/PLAY:

@0:PAUSE <CR>

@0:PLAY <CR>

Global, all AMA1080p's pause and play.

STOP:

@01:STOP <CR>

AMA1080p address @1 stops.

VOL +:

@03:VOL+ <CR>

AMA1080p address @3 increase volume.

VOL -:

@05:VOL+ <CR>

AMA1080p address #5 lower volume.

SYNC: (sync AMA1080p video clock, global)

@0:GOTO:1 <CR>

This global command will re-align the AMA1080p video clock and start playing the video from 0.