

Highlander80 Setup Manual

【Revision record】

1. Please check boards first before a power supply injection.

【Boards】

- SH7780 main board: R7780RP-1
- PCI bus add-in board: RPCIRP-1
- SH bus add-in board: RSOUNDRP-1(Optional)
- Debugging board: RDBRP-1
- Back-plane board: RMAIN_BWBRP-1+ RSUB_BWBRP-1

【Accessories】

- AC/DC adaptor
- The power supply harness for RPCIRP-1

2. Assembly

- CN1 of 100 pins is mounted in the back of R7780RP-1. Please connect FROMDB32 to CN1.

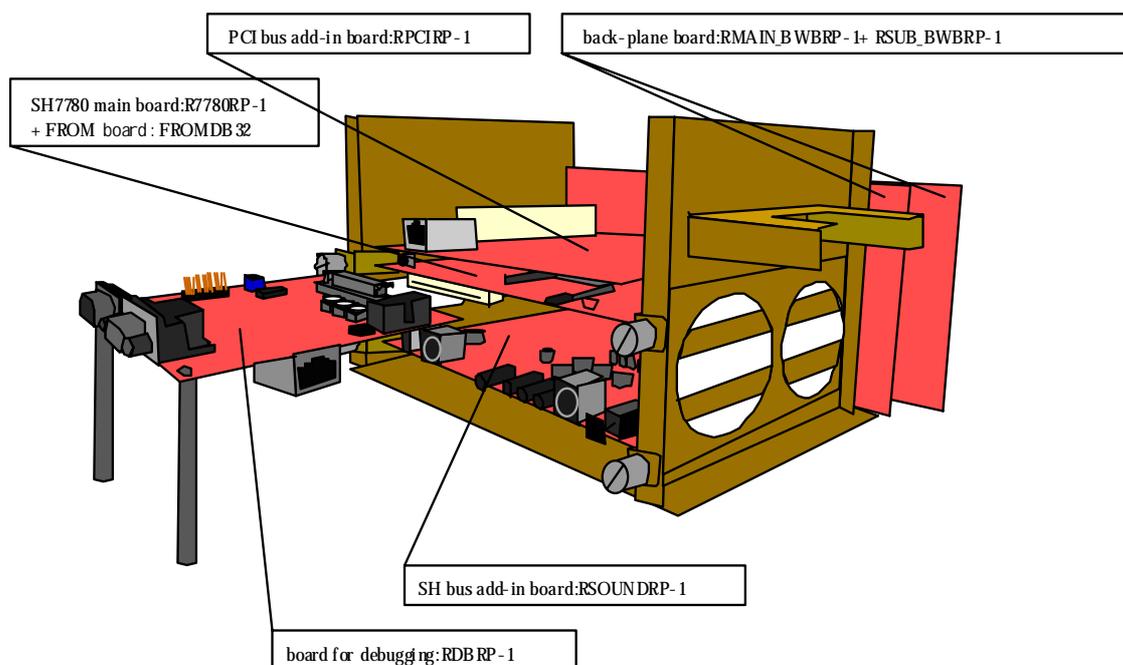
(R7780RP-1 CN1<-->FROMDB32 CN1)

When you take out and insert the board to a back-plane board, please open and close both screws with this torque little by little.

- CN7 of 120 pins and CN8 of 60 pins are mounted in the upper surface of R7780RP-1. Please connect RPCIRP-1 to each connector. (R7780RP-1 CN7<-->RPCIRP-1 CN7, R7780RP-1 CN8<-->RPCIRP-1 CN6)

And, please connect CN7 of RSUB_BWBRP -1, and CN8 of RPCIRP-1 by the attached exclusive harness.

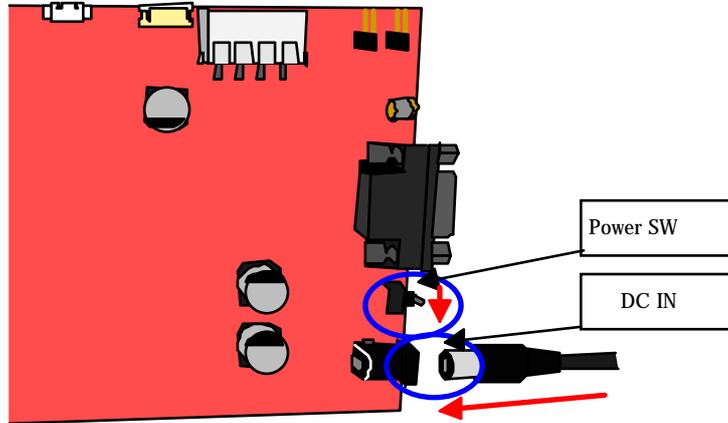
- CN9 of 100 pins is mounted in the front of R7780RP-1. Please connect CN8 of RDBRP-1 to CN9.



3. Power supply injection

Please insert an AC/DC adaptor in CN11 of a back-plane board.

A power supply injection is carried out by ON (below) of S1.



4. Connection with PC for consoles

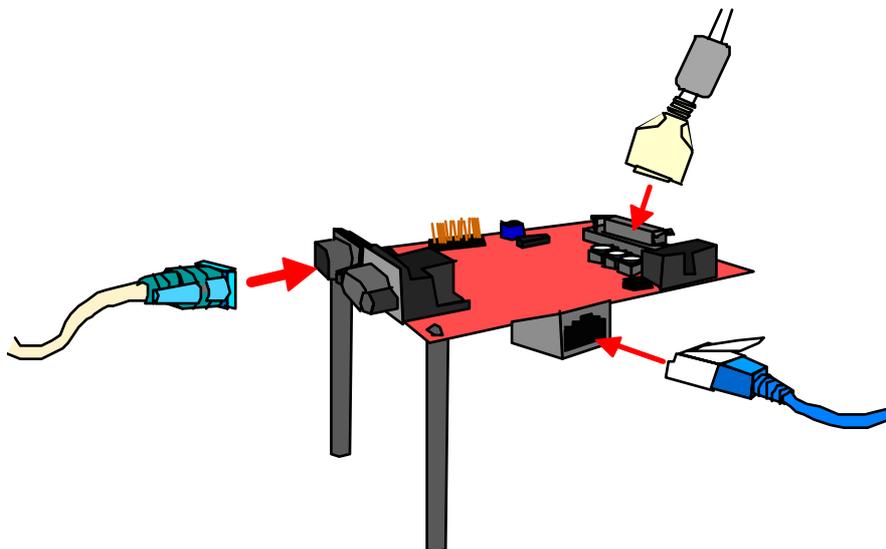
It connects with PC for consoles with a cross cable at CN2 (DSUB9) of RDBRP-1.

Please give a setup by the side of a console as the following passages.

Baud rate	: 115200bps
Data	: 8 bit
Parity	: none
Stop	: 1bit
Flow control	: none

In addition to this, RDBRP-1 can connect LAN, a JTAG emulator, etc.

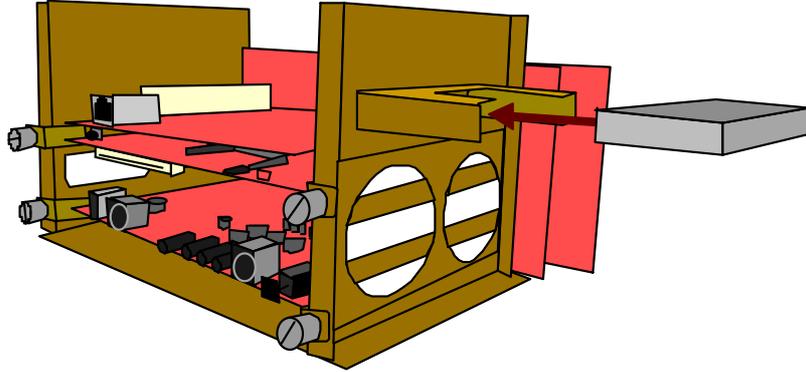
Please refer to hardware specification.



5. Connection of media

5.1 Connection of iVDR mini

1.8 inch iVDR mini Disc can be mounted in RPCIRP-1. Please connect from the exclusive insertion slot which is on the right of a cage.



5.2 Connection of SATA HDD

The power supply of SATA HDD is supplied from a back board. As shown in a figure, please connect a back board with SATA HDD in PC power supply cable extension. Please connect SATA HDD by CN5 and the exclusive cable of RPCIRP-1.

