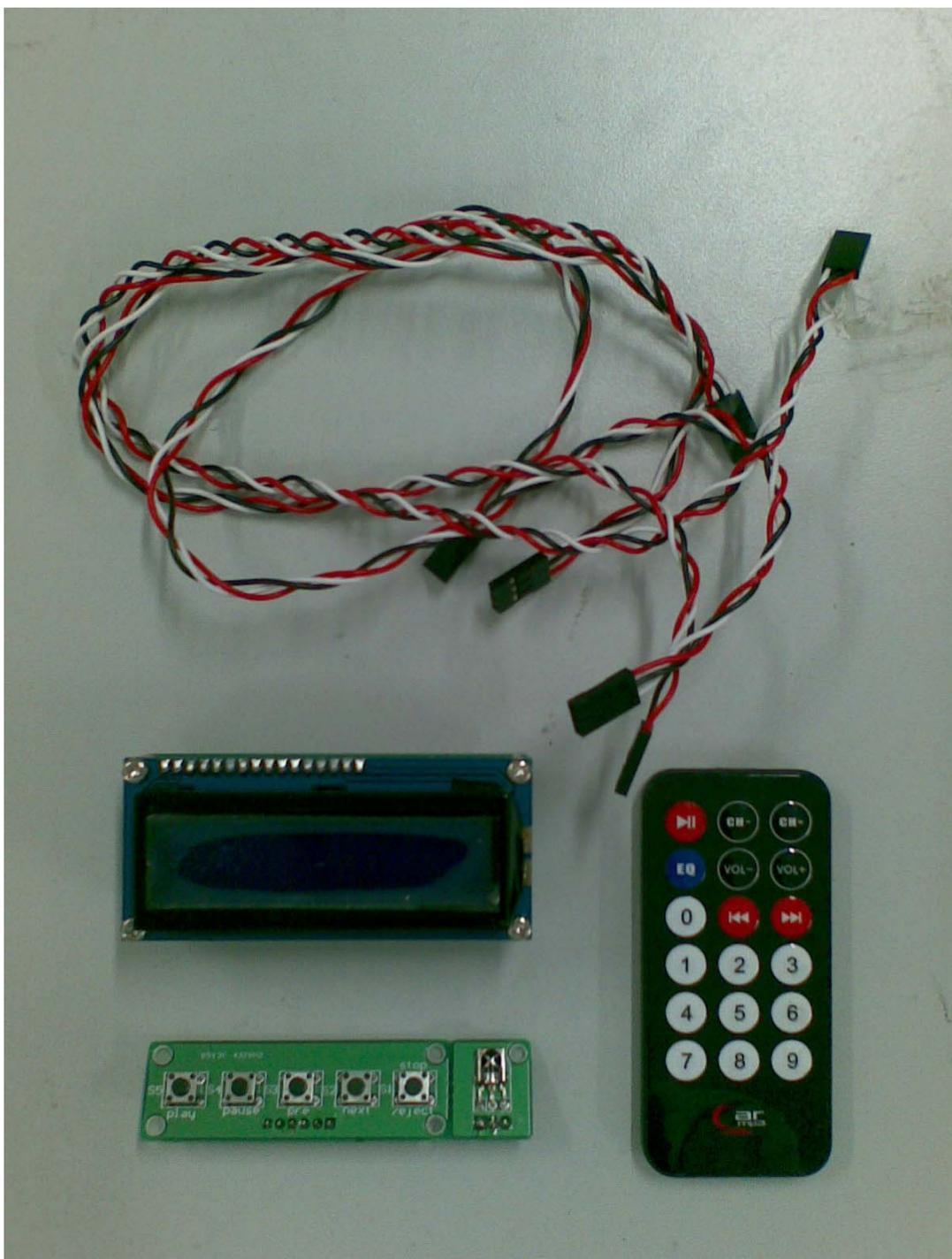


YS AUDIO

CDROM CONTROLLER

USER MANUAL



Kit includes:

- **Main board with LCD1602**
- **Front panel control board**
- **Remote handset**
- **3 each 3 conductor cables**



You will also need:

- **A power supply for the CDROM and the controller**
- **A standard PC ATX type supply will work well for this**
- **A CDROM drive, or DVDROM/CDRW/DVDRW**
- **A CR2032 battery for the remote control handset**
- **A Standard IDE data cable for the CDROM**
- **Power cable for the controller**



Set the IDE mode jumper so the CDROM is a MASTER device

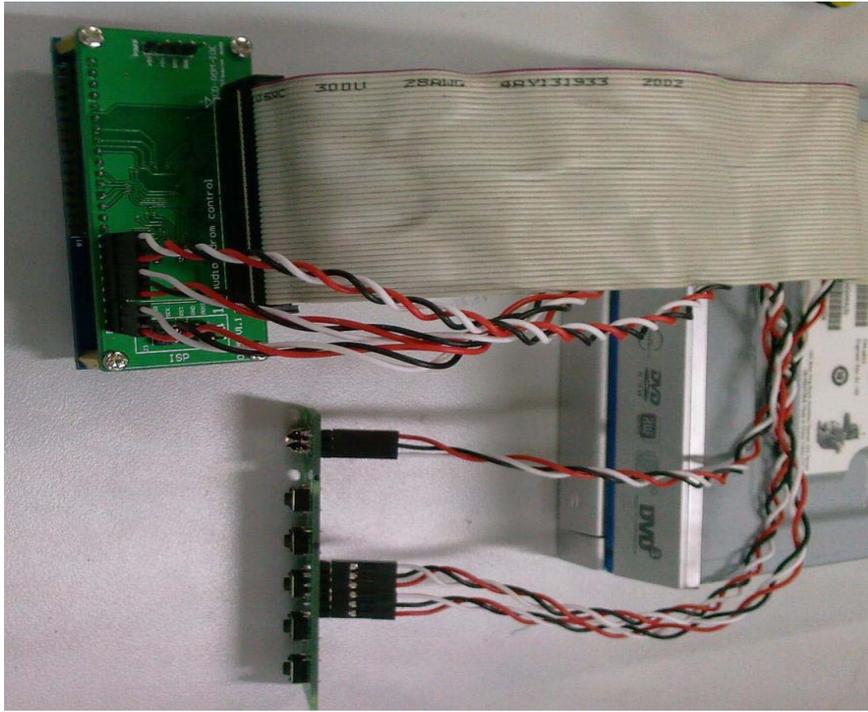


Insert a CR2032 battery into the remote handset

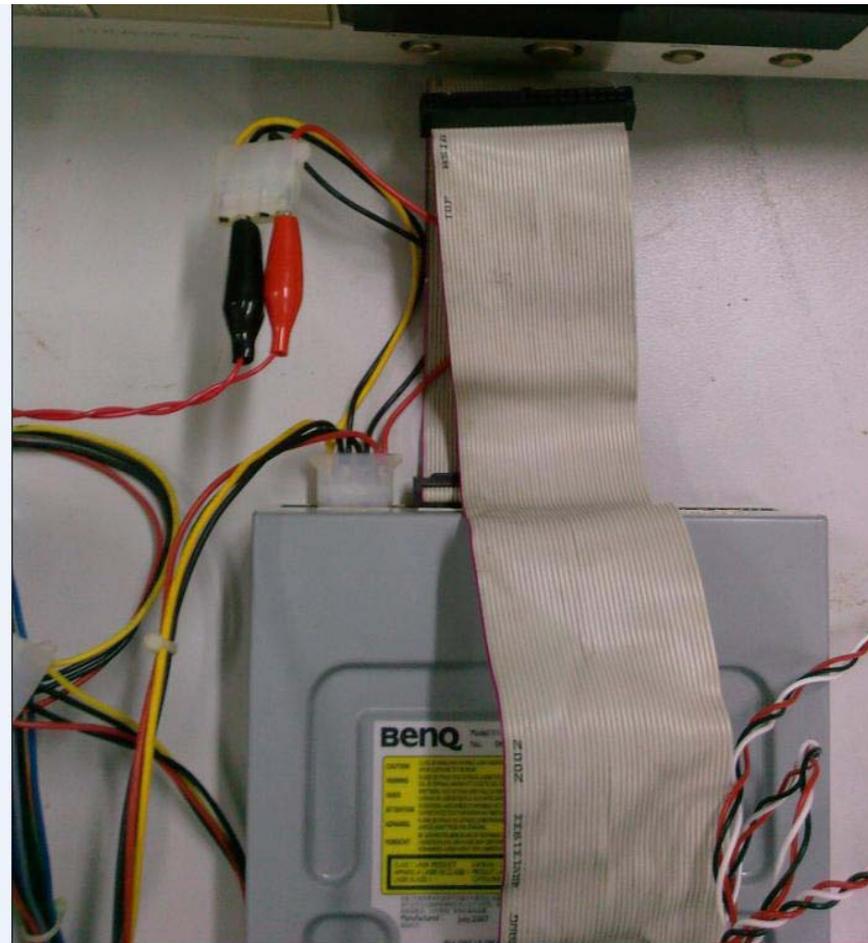


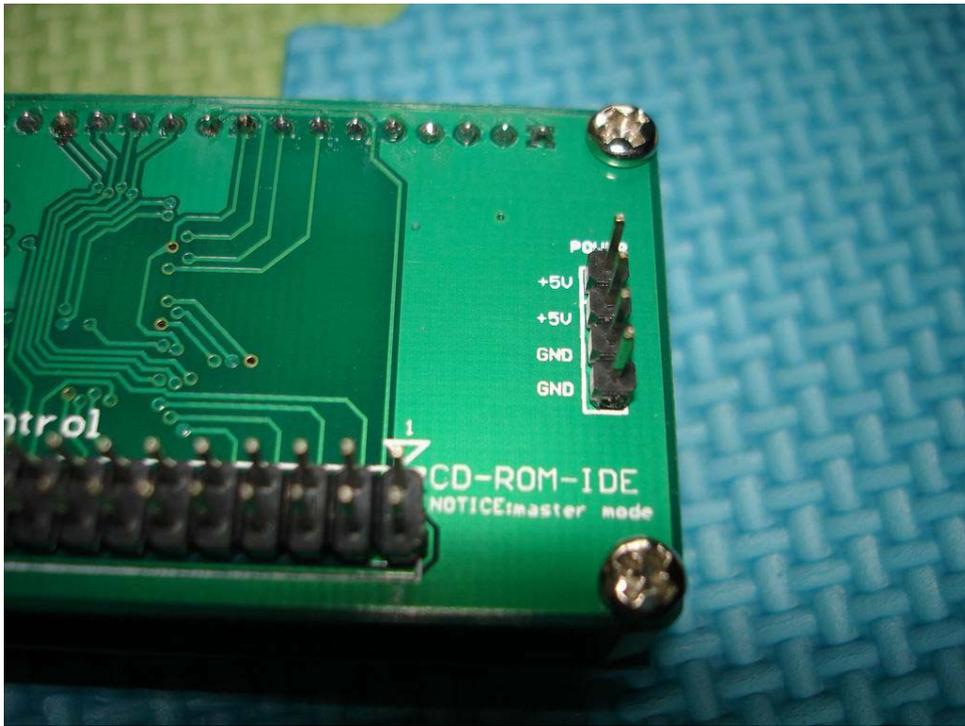
Remote control functions:

- **PLAY** **Play/Pause**
- **EQ** **Open/Close**
- **CH-** **Stop**
- **CH+** **Repeat track/disc/A-B**
- **VOL+/VOL-** **Volume +/-**
- **0-9** **Track select; For example, to select track 16:
press 1 then 6, then PLAY.**

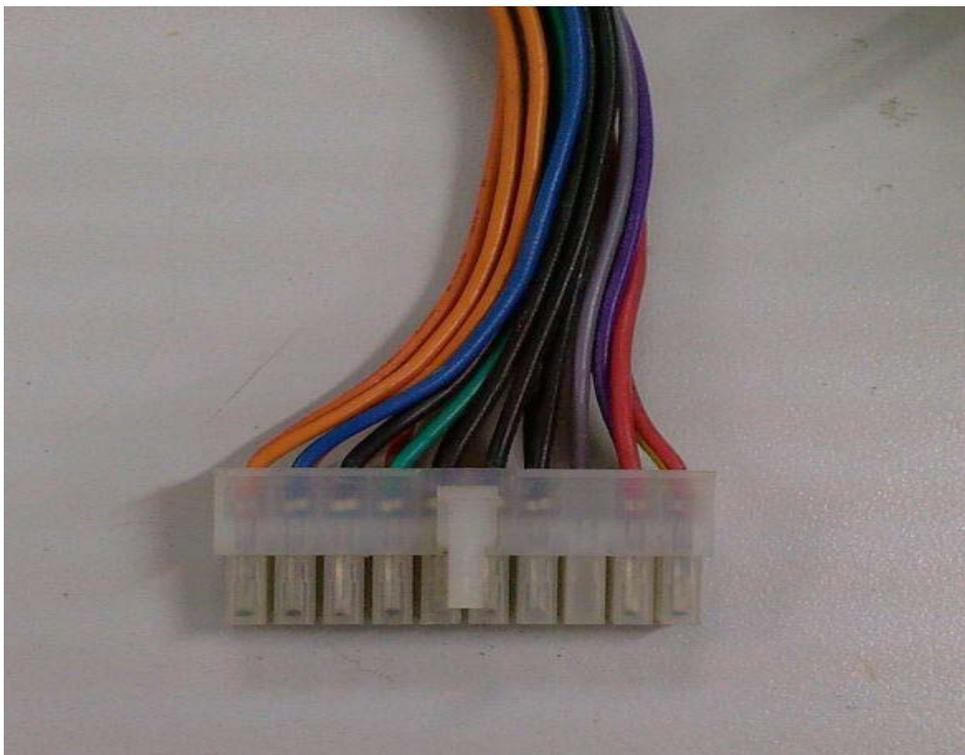


Connect all the cables as shown above. Note that the red wire on the IDE cable indicates pin '1' of the connector





The 5V supply for the controller can be taken from an ATX power supply



How to power-up your ATX PC PSU

- Short the green wire to each of the black wires on the ATX connector so that the ATX supply will turn on

- Once you have finished connecting all the wires, check them carefully to be sure that the connections are correct
- Power up the ATX power supply
- **NOTE: Power up the CDROM before the Controller, or power both up at the same time. Do not apply power to the controller before the CDROM**



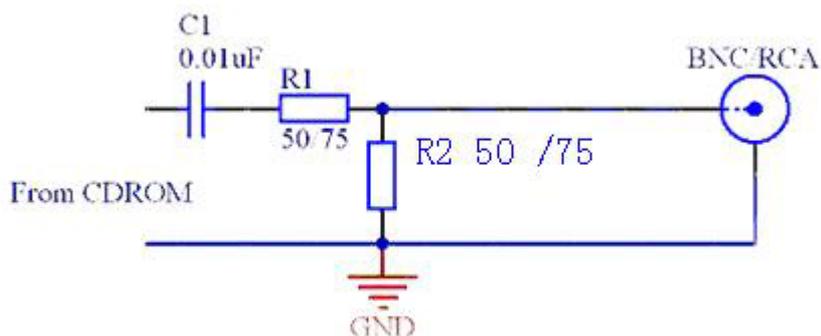
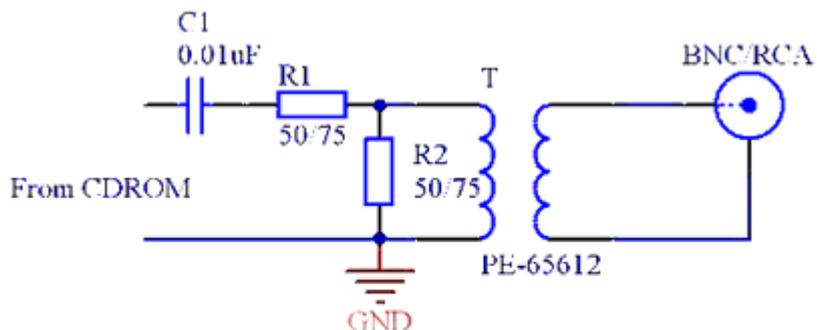
It's running !!!

Make your CDROM into a CD transport

- Many CDROM drives have a SPDIF digital audio output connector on the rear panel. If this exists then it will probably be labeled 'D' for the signal and 'G' for the ground
- The signal from CDROM is a TTL level signal so we need a circuit to transfer TTL to SPDIF.
- R1 and R2, as shown below, is needed to reduce the TTL level to SPDIF level and to match the impedance
- A transformer, as shown in the first diagram below, will give better

performance but the circuit will work without it as shown in the second diagram

- A suitable widely available transformer is the Pulse PE-65612



Good luck! 😊

If you have any questions, please contact me: <mailto:bbp6604560@21cn.com>