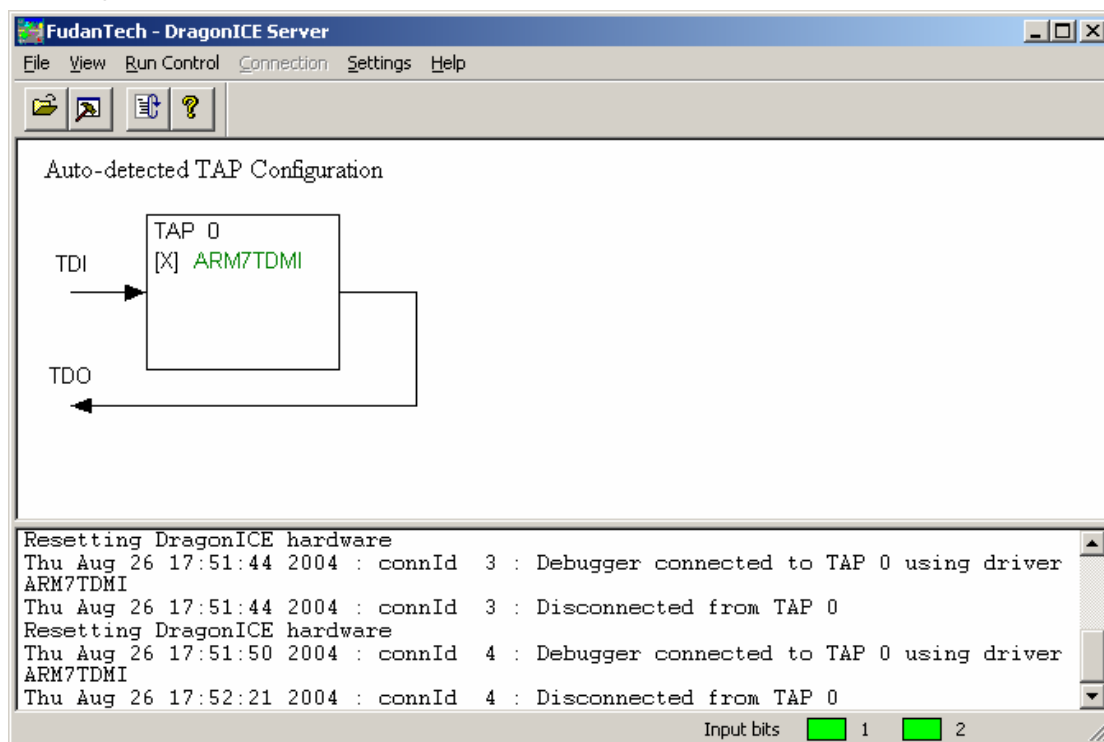# Connecting Dragon-ICE to AXD Debugger
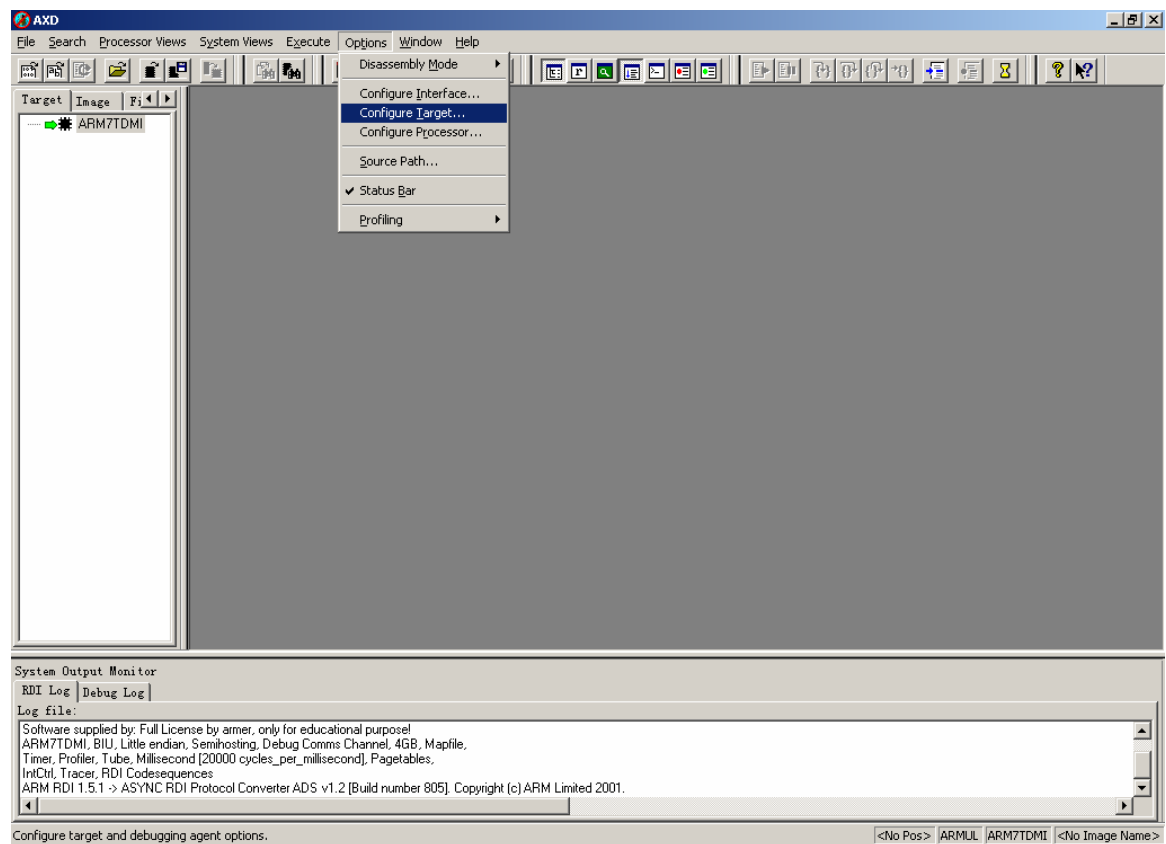
1. Start Dragon-ICE Server

You first install Dragon-ICE Server (We provide), then start it, as following.

Connect Target board, click Auto-configure or Manual configure target, as follow (target is ARM7TDMI)
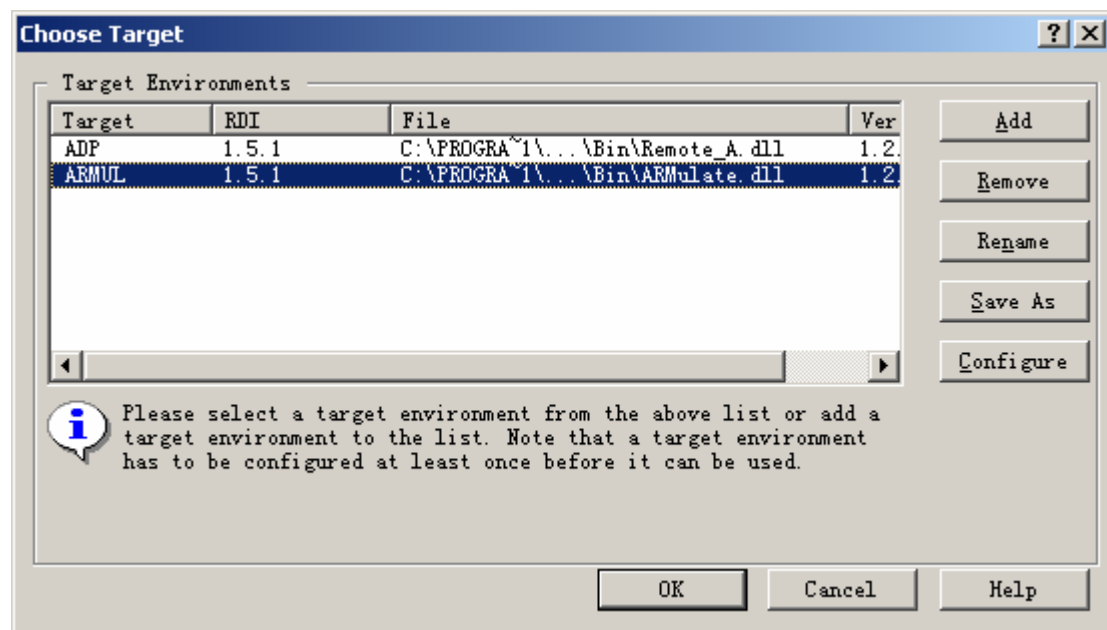
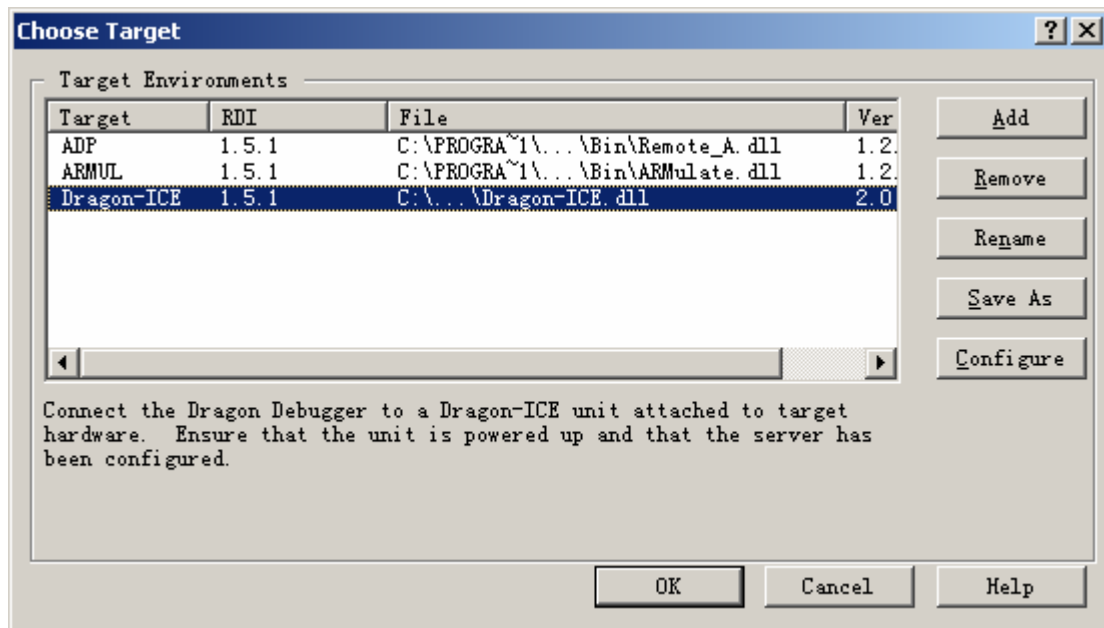## 2. Starting ADS AXD debugger and connecting Dragon-ICE Server

Start AXD debugger in ADS software. Select [configure target] menus in [Options] menus as follows:
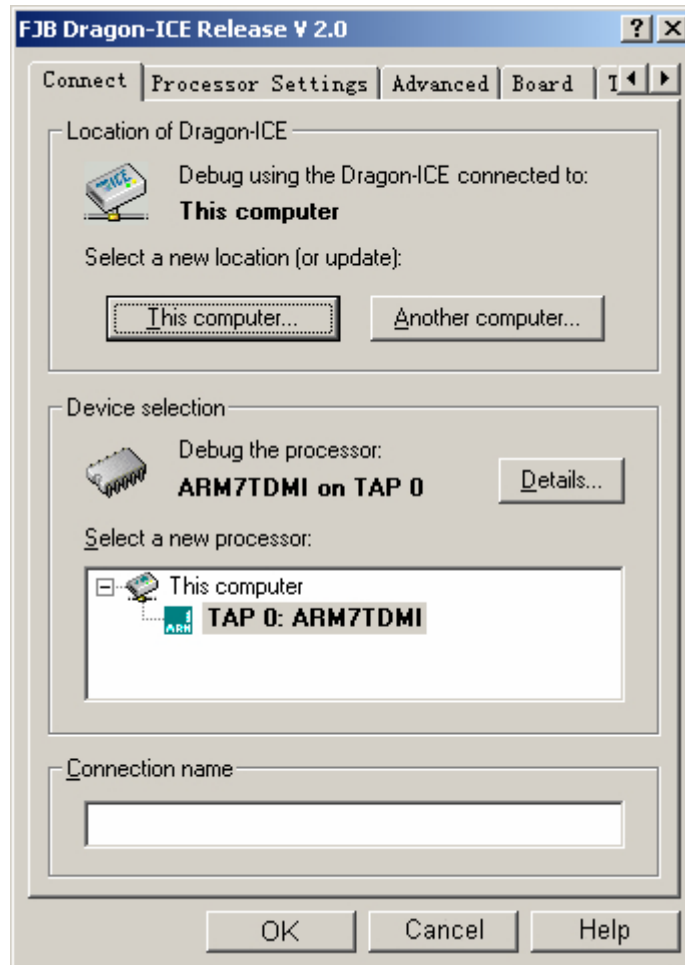

In following windows, please enter [Add] button to add "Dragon-ICE.dll".

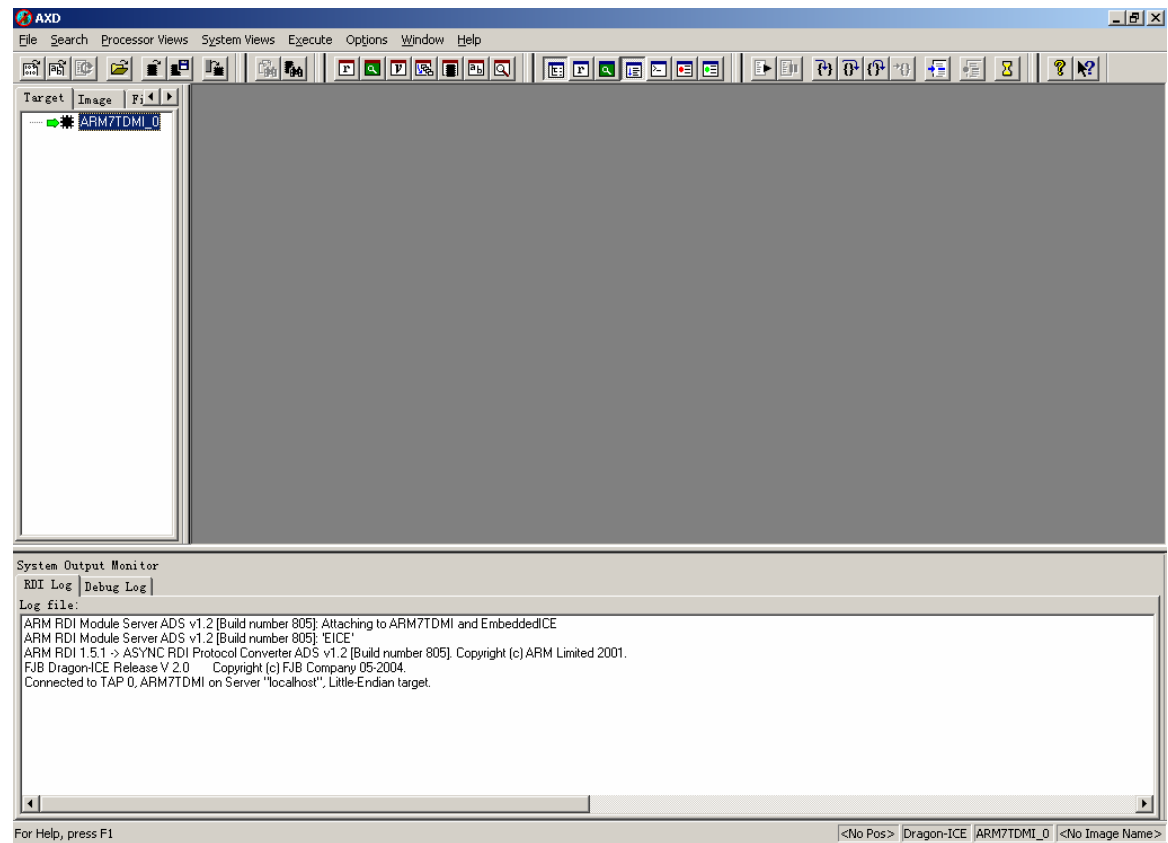After adding "Dragon-ICE.dll", configure target window is as following:

Double click "Dragon-ICE.dll", there is following window:

Select computer and processor: this computer and ARM7TDMI.

Then enter [OK] button. Finally select [OK] button. You can look following windows:

So AXD debugger connects with Dragon-ICE well.

You can load image to debug by using "File/Foad image…" menu, follow is debug process of one image:

```
AXD - [ARM7TDMI_0 - D:\Dev_Board\Demo_Program\RTC\realTimer.c]
File  Search  Processor Views  System Views  Execute  Options  Window  Help

Target | Image | Fi
  ARM7TDMI_0

156            }
157
158            BCD_OH = getBCD(CountH) | 0x80;      // light point
159            BCD_OL = getBCD (CountL) | 0x80;
160
161            //* update new setted value to register
162            switch(select)
163                {
164                case(SELECT_SEC):
165                    rBCDSEC = CountH << 4 | CountL;
166                    regSEC_Save = rBCDSEC;
167                    break;
168                case(SELECT_MIN):
169                    rBCDMIN = CountH << 4 | CountL;
170                    regMIN_Save = rBCDMIN;
171                    break;
172                case(SELECT_HOR):
173                    rBCDHOUR = CountH << 4 | CountL;
174                    regHOR_Save = rBCDHOUR;
175                    break;
176                }
177            }
178
179        //* output: display LED
180        rPDATG = ~((state)|(pause << 1));//state and pause LED will be lighted in actived mode
181        mLEDSET = (BCD_OH<<8) | BCD_OL;
182
183        }
184 }
185
186
187    /***********Init port G function***********
188        config GPIO_G port as input and output
```

System Output Monitor
RDI Log | Debug Log
Log file:
ARM RDI Module Server ADS v1.2 [Build number 805]: 'EICE'
ARM RDI 1.5.1 -> ASYNC RDI Protocol Converter ADS v1.2 [Build number 805]. Copyright (c) ARM Limited 2001.
FJB Dragon-ICE Release V 2.0   Copyright (c) FJB Company 05-2004.
Connected to TAP 0, ARM7TDMI on Server "localhost", Little-Endian target.

For Help, press F1   Line 181, Col 36 Dragon-ICE ARM7TDMI_0 rtc.axf

End of document for ASD with Dragon-ICE.