

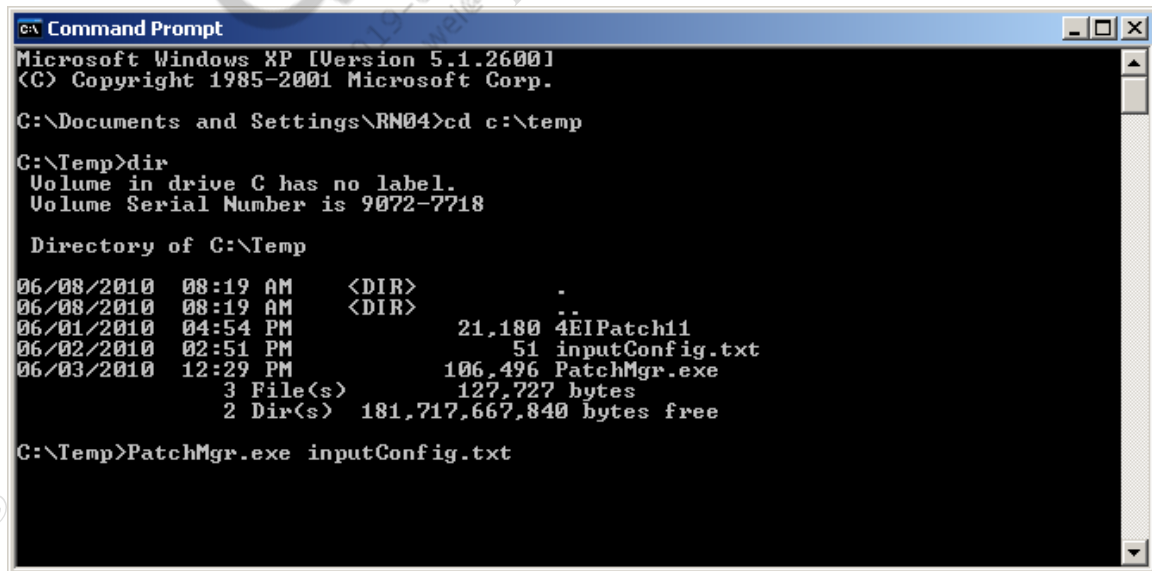
4e ROM Patch Manager

1 How to build ROMPatchApplication executable in Windows environment.

- From this ROMPatchApplication directory double click on RomPatchApplication.sln file to open this VC++ 8.0 project.
- After opening ROMPatchApplication project file rebuild either Debug or Release builds.
- After successfully building the PatchMgr.exe can be found in the /Debug or /Release directory depending what build configuration was selected.

2 How to run the PatchMgr.exe on Windows environment.

- Open the windows command prompt.
- Change directory to where the PatchMgr.exe is present or copy the PatchMgr.exe file into the directory where your patch file resides.
- Type the command "PatchMgr.exe Path\inputConfig.txt" where Path is the directory path of where the input configuration file is located. Note Path is only needed if inputConfig.txt does not reside in the same directory as the PatchMgr.exe file. An example of a directory path: C:\Temp\inputConfig.txt.



```

C:\ Command Prompt
Microsoft Windows XP [Version 5.1.2600]
(C) Copyright 1985-2001 Microsoft Corp.

C:\Documents and Settings\RN04>cd c:\temp

C:\Temp>dir
Volume in drive C has no label.
Volume Serial Number is 9072-7718

Directory of C:\Temp

06/08/2010  08:19 AM  <DIR>          .
06/08/2010  08:19 AM  <DIR>          ..
06/01/2010  04:54 PM                21,180 4EIPatch11
06/02/2010  02:51 PM                 51 inputConfig.txt
06/03/2010 12:29 PM            106,496 PatchMgr.exe
               3 File(s)            127,727 bytes
               2 Dir(s)  181,717,667,840 bytes free

C:\Temp>PatchMgr.exe inputConfig.txt

```

3 Description about inputConfig.txt

“inputConfig.txt” describes the input configuration of the receiver and the settings at which patch will be applied. You may need to change the inputConfig.txt as per your receiver.

This file contains a single line similar to example given below.

Example:

“UART COM1 4800 NMEA 115200 FALSE 4EIPatch11 Logs.txt”

There is a fixed order in which different input configuration should be written. Otherwise Patch Manager would fail to operate. Different values can be selected for some of the fields. Here is one example:

1	2	3	4	5	6	7	8
UART	COM1	4800	NMEA	115200	CCK IO Protocol Flag	4EIPatch11	Logs.txt
Don't change as SPI is not supported .	COM port of the PC.	Initial baud rate at which 4e receiver works.	Initial protocol of the receiver	Serial baud rate at which the patch is to be applied	Set to TRUE if patch includes CCK with IO Protocol or Baud Rate or Uart Flow Control or power mode values that have changed from their defaults else set to FALSE. Valid value is either TRUE or FALSE.	Patch file. Directory path only needs to be applied if patch file resides outside of the directory where the PatchMgr.exe is executing from.	Log file. Directory path only needs to be applied if the user wants the log file to be placed outside of the directory where the PatchMgr.exe is executing from.

Note if CCK IO Protocol Flag is set to TRUE, then the 4e ROMPatchApplication program will not command the 4e receiver to return to its original low power and initial IO protocol/baud rate/uart flow control settings. The 4e ROM1.0/2.0/2.2 default UART settings are NMEA protocol at 4800 bps with no uart flow control and with low power mode set to continuous (full) power.

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