

## BACKUP CONSOLE PC CREATION

### **READ BEFORE INSTALLING**

This procedure is for creation of an emergency backup PC in the event of a failure of the internal console PC.

**PC Requirements:** The PC that is being used as a console PC backup should have a minimum display resolution of 1280 x 1024 and be running Windows XP SP 2 or Windows 7). We do not support any other versions of windows.

1. Log on to the laptop using an account with administrator privileges.
2. Install the java6 runtime environment on the PC ( run jre-6u13-windows-i586-p.exe)
3. Install .net Framework 3.5 or later on the PC ( run dotnetfx35.exe )
4. Create the directory C:\Calrec and copy the contents of the current release directory into C:\Calrec. You will then have the following folders...
  - C:\Calrec\DeskUpdates
  - C:\Calrec\Docs
  - C:\Calrec\ProgramUpdater
  - C:\Calrec\Utils
  - C:\Calrec\WindowsService

**If you are using Windows 7, you must refer to, and execute the Registry Fix procedure in the C:\Calrec\Docs folder before continuing.**

5. Open up a DOS Command window ( From the Start Menu, select **Run...**, type in **cmd** and hit enter )
6. Type **cd \Calrec\WindowsService** <enter>
7. Type **Install** <enter> - This will execute a batch file that installs the Calrec Switch Fabric Service.
8. Connect the laptop to the backup console PC port on the console. ( Requires a USB cable - hopefully supplied )
9. Install DUB-E100 Ethernet Driver
10. Open up the **Network Connections** page from the control panel and right click on the DUB-E100 LAN connection. Change connection name to **CalrecDeskConnection**.
11. Double click on the connection then select the **Properties** button. Then double click on the **Internet protocol (TCP/IP v4)** option from the scroll list. Select **Use the following IP address** and enter CCC.DDD.xxx.yyy for the IP address and 255.255.0.0 for the Subnet mask. Leave the Default gateway and the DNS servers blank. Click **Ok** to confirm. (CCC=Customer Octet, DDD=Desk Octet, xxx should be 128, 129, 130 or 131 depending on which POE switch the connection is in. yyy should be 0, 8, 16, 24, 32 or 40 depending on which port used)
12. Now click on the **Advanced** tab in the network properties and select the windows firewall settings. **Turn the firewall off** and click **Ok** then click **Ok** again to exit the network properties dialog box.

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13. From the control panel open up **Administrative** tools and then select **Services**. Right click on the **CalrecService** and select **Start**. This starts the console interface service. It will be started automatically on future reboots. The network connection is now set up to work with the console.
14. From the control panel open up **System** and select the **Computer name** tab. Make a note of the full computer name. ( Note: Useful to select this and copy it to the clipboard )
15. At the DOS prompt type **c:\calrec\utils\setcacs** then **<enter>** When prompted for the PC name right click on the DOS prompt window and **paste** the full computer name in. Then press enter.
16. At DOS prompt type **IPConfig /all <enter>**. To confirm it should display an entry for CalrecDeskConnection with the IP address set to 192.178.xxx.yyy and a physical address set to 00-0d-07-ff-xx-yy xxx should be 128, 129, 130 or 131 depending on which POE the connection is in. yyy should be 0, 8, 16, 24, 32 or 40 The physical address xx and yy should be the same as the IP address xxx and yyy ( note the physical address is in hex, the IP address is decimal ) If this is not the case then the setup hasn't worked and needs further investigation.
17. Set up a desktop shortcut to c:\Calrec\ConsolePC\run.bat Double clicking on this should bring up the console PC application.

**Note: The backup console PC cannot be used at the same time as the primary console PC application. Close one down before using the other.**

Dec to Hex and Bin conversion table (expanded above 4 bits)					
DECIMAL	16	32	64	128	255
HEX	10	20	40	80	FF
BINARY	00010000	00100000	01000000	10000000	11111111