

# ESB3011b Configuration

Please read the following document to configure your ESB3011b before using the device.

All Clarinet products, except ESB3011b, are shipped with DHCP enabled. Due to nature of ESB3011b, user **MUST** configure this switch's 802.11b setting before using this switch. The configuration is done via IR using either Palm Configuration Tool or Windows Configuration Tool. The following are the default setting for ESB3011b and some of the fields must be modify by the client before the switch can be used in user's network. Please contact your network administrator to obtain the setting for the 802.11b access point.

IP Address: 192.168.101.137  
Wireless Channel: Auto  
ESSID: CSI  
Authentication: Open System  
WEP Encryption: Disabled

**Note:** While the other single port EthIR LAN takes two IP addresses, the ESB3011b uses only one IP address sharing between EthIR Switch and the connecting IR device, for example a PDA, for network access. This means that while an IR device is connected to the ESB3011b, you cannot access the Switch from network for configuration. As soon as the connection has been dropped, the IP address is freed up for configuration if needed.

**The following are some examples of Palm Configuration Tool:**



When the application is first launched the screen will be blank. Tap the Find button while Palm's IR port is directed at your EthIR Beam. Your display will resemble fig.1. If the Switch is set to use DHCP and there is no DHCP server available, it could take up to three minutes for the switch to respond.

To edit the configuration, tap Settings.

Fig. 1



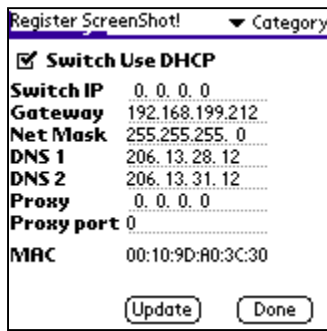
Tap the Category pull down menu to see the available list of configurable options. The Palm utility will only display the options that are available on your version of EthIR LAN.

Available options are:

- LAN Related
- Administration
- WEP
- SNMP
- Card Info

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## LAN Related Information



Register ScreenShot! Category

Switch Use DHCP

Switch IP 0.0.0.0  
Gateway 192.168.199.212  
Net Mask 255.255.255.0  
DNS 1 206.13.28.12  
DNS 2 206.13.31.12  
Proxy 0.0.0.0  
Proxy port 0  
MAC 00:10:9D:A0:3C:30

Update Done

This is where you will configure the primary IP address for your EthIR LAN. You should obtain all of the information for this screen from your network administrator. The Proxy IP and Port number are only used in conjunction with ConnectIR running on a Windows based PC, if the network uses a Proxy Server. Once you have finished entering the data, you will need to tap the update button and allow the switch to reboot. Once the switch has rebooted, the tool will return to the first screen and wait for you to tap the Find button again if

additional configuration is required.

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## SNMP Configuration



Register ScreenShot! Category

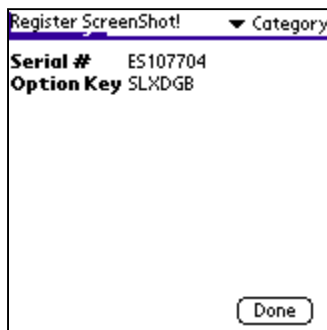
Manager 1 0.0.0.0  
Manager 2 0.0.0.0  
Manager 3 0.0.0.0  
Manager 4 0.0.0.0  
Contact system admin  
Location network closet  
Set private  
Get public  
Name EthIR Switch X01

Done

In the current release of the Palm configuration utility, you can only view the SNMP configuration. If you require the use of SNMP, you will need to use the Windows based configuration tool to assign the necessary values.

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## Administration



Register ScreenShot! Category

Serial # ES107704  
Option Key SLXDBG

Done

Currently this field is used to gather information only. If you require technical support, it would be helpful to have this information.

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## WEP Info



Register ScreenShot! Category

WEP Encryption

64 bit 128 bit

WEP key 1 01 02 03 04 05  
2 00 00 00 00 00  
3 00 00 00 00 00  
4 00 00 00 00 00

Default Tx Key 1 2 3 4

Update Done

**WEP Encryption:** This field selects either 64 or 128 bit key to be used for authentication and encryption.

**WEP Key:** There are 4 64-bit keys and one 128-bit key. Each 64-bit key is set by 5 bytes value. The other 24 bits is set by

firmware. The 128-bit key is set by 13 bytes value, and the other 24 bits is set by firmware.

**Default Tx Key:** If 64-bit key is selected, this parameter selects which 64-bit key to be used.

Once you have entered the information, tap Update for the switch to reboot and your changes to take effect.

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## Card Info



**PC Card S/N:** The wireless PC Card serial number.

**Comm Quality:** the wireless signal strength between Access Point and wireless station.

0 – 30 is poor, 30 – 60 is fair, 60 – 92 is good.

**Current Tx Rate:** the current wireless transmission data rate in Mbits/Sec.

**Current Channel:** The current wireless channel used.

The above four parameters are displayed only if the PC Card has connection with AP.

**Set Channel:** The wireless channel to be used to connect to the Access Point. If select Auto, the PC Card will scan each channel and select the strongest signal channel to connect to AP. The default is Auto.

**ESSID:** The Extended Service Set Identification. This is a string of 1 – 34 characters, which must match with the ESSID on the 802.11b Access Point the user is trying to connect. The default is CSI.

### Authentication:

Open Sys. Auth.: Open System Authentication means no authentication.

Shared Key Auth.: Shared Key Authentication requires the use of a 64-bit or 128-bit key. It also enables the data encryption using the same key. The authentication key is set by using the WEP form.

Once you have entered the information, tap Update for the switch to reboot and your changes to take effect.

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