



# IQ™ NCC-EN & -WF Cartridge Required Configuration Information

December 3, 2010



## What information do I need to configure IQ NCC Network Communication Cartridges?

---

- The IQ NCC-EN Ethernet and NCC-WF WiFi Network Communication Cartridges need to be configured to communicate with the IQ Central Computer over your Local Area Network (LAN).
- The IQ Software will be loaded onto a computer with access to the same LAN network as the IQ Satellite Controllers equipped with an IQ NCC-EN or -WF Cartridge.
- The following pages list the network configuration information your Network Administrator will need to provide to configure IQ NCC-EN and -WF Cartridges.

## What information do I need to configure an IQ NCC-EN Ethernet Cartridge?

---

- The IQ NCC-EN Ethernet Network Communication Cartridges require the following communication configuration information from your Network Administrator:
  - Network Static Internet Protocol (IP) Address for each NCC-EN Cartridge
  - Port Number
  - Subnet Mask Address
  - Default Gateway
- In the IQ Software select IP Connection communication type and enter the Static IP Address for the Cartridge followed by the Port Number (default is 50005)
  - Example 192.168.120.111:50005

## What information do I need to configure an IQ NCC-WF WiFi Cartridge?

---

- The IQ NCC-WF WiFi Network Communication Cartridges require the following communication configuration information from your Network Administrator:
  - Network Static Internet Protocol (IP) Address for each NCC-WF Cartridge
  - Port Number (default is 50005)
  - Subnet Mask Address
  - Default Gateway
  - SSID Network Identification
  - Encryption Method (WPA or WPA2 supported)
  - Encryption Passkey
- In the IQ Software select IP Connection communication type and enter the Static IP Address for the Cartridge followed by the Port Number (default is 50005)
  - Example 192.168.120.111:50005

## Router Site Survey & Setup for IQ NCC-WF WiFi Cartridge

---

- Conduct a wireless site survey before installing the IQ Satellite with NCC-WF Wi-Fi Cartridge to make sure a wireless connection is possible.
- The internal antenna included with the NCC-WF Wi-Fi cartridge is for use with the standard plastic case controller. If the optional LXMM Metal Case is used, the optional IQINTANWF is required.
- WPA2 Encryption may not work with the NetGear WN2000v2 or other routers if the QoS/WMM is set. Turn off QoS or WMM.
- Cisco/Linksys routers using the Group Key Renewal option should be set so the time interval is near the maximum but not on the hour.
- IQ is not compatible with the Apple Airport Extreme or Apple Time Capsule with built in Airport Extreme Routers.
- Only the following characters are allowed in the SSID:  
0-9, a-z, A-Z.



---

**Rain Bird Corporation**

6991 E. Southpoint Road  
Tucson, AZ 85756  
Phone: (520) 741-6100  
Fax: (520) 741-6522

**Rain Bird Technical Services**

(800) RAINBIRD (1-800-724-6247)  
(U.S. and Canada)

**Rain Bird Corporation**

970 West Sierra Madre Avenue  
Azusa, CA 91702  
Phone: (626) 812-3400  
Fax: (626) 812-3411

**Specification Hotline**

800-458-3005 (U.S. and Canada)

**Rain Bird International, Inc.**

1000 West Sierra Madre Ave.  
Azusa, CA 91702  
Phone: (626) 963-9311  
Fax: (626) 852-7343

The Intelligent Use of Water™

[www.rainbird.com](http://www.rainbird.com)