Bluetooth
PAN Access Point

BAP-100

■ USER'S GUIDE ■

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Note :

This device complies with part 15 of FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and

(2) This device must accept any interference received, including interference that may cause undesired operation.

The FCC require the user to be notified that any changes or modification made to this device that are not expressly approved by (Chung-Hsin Electric & Machinery MFG.CORP.) may avoid the user's authority to operate the equipment.

To comply with FCC RF exposure requirement, this device and its antenna must no be co-located or operating in conjunction with any other antenna or transmitter.

1. Introduction

Bluetooth PAN Access Point

Congratulations on your purchase of a Bluetooth PAN Access Point. The PAN Access Point provides the ideal solution for connecting your wireless network to a high-speed broadband Internet connection or a 10/100 Fast Ethernet backbone. Configurable as a DHCP server for your existing network, the PAN Access Point acts as the only externally recognized Internet gateway on your local area network (LAN) and serves as an Internet NAT firewall against unwanted outside intruders.

Features

- Bluetooth Spec. 1.1 compliant
- Compliant to PAN/BNEP specifications 1.0
- Supports Bluetooth link level security
- Supports authentication and access rights management
- Supports DHCP or Static IP addresses
- NAT or IP routing for wireless devices
- Supports up to 5 virtual server services including FTP, HTTP, POP3, SMTP and an extra server
- PPPoE for widespread xDSL connections
- Up to 7 Bluetooth devices can simultaneously connect to the access point to other LAN devices via 10/100 Base-T Ethernet at speeds of up to 723 bps
- A quick and easy bridge to access the Internet or shared files by using Network Neighborhood among PAN users
- Extended wireless range: Low power and better receiver sensitivity extend the distance up to 100 meters (power class 1, +20dBm)
- Friendly web-based management: A built-in web server and JAVA Applet support easier configuration, remote management and status report

Package Contents

1. One Bluetooth PAN Access Point
2. One Power Adapter
3. One User's Manual

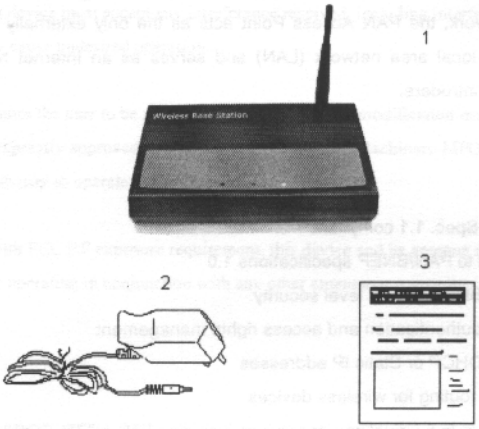

Figure 1-1

Minimum Requirements

One Windows 98 SE, Millennium, 2000, or XP PC equipped with TCP/IP protocol, Internet Explorer 4.0 or Netscape Navigator 4.7 with Java VM included for web-based configuration, a CD-ROM drive and an Ethernet adapter with a UTP CAT 5 network cable or DSL modem with Ethernet connection and Internet access.

For Windows XP users, it is necessary to download Java Runtime Environment (JRE) software for IE browser from Sun Microsystems (http://www.sun.com).

Bluetooth & PAN

A key feature of the Bluetooth specification is that it aims to allow devices from many different manufacturers to work with one another. Bluetooth does not just define a radio system, it also defines a software stack to enable applications to find other Bluetooth devices in the area, discover what services they can offer, and use those services. The Bluetooth PAN Access Point demonstrates full TCP/IP networking among PCs using the Bluetooth PAN profile. PAN uses

BNEP, the Bluetooth Network Encapsulation Protocol to transport common networking protocols over wireless links. PAN makes it possible to set up a personal network among all the Bluetooth devices that support this profile.

The Bluetooth PAN Access Point's Ports

The access point's (AP's) rear panel (Figure 1-2) is where all of its connections are made.

Feature	Detailed Description
Ethernet Port	The Ethernet port is where you will connect other networked devices.
Power	The power port is where you will connect the included AC power adapter.
Reset Button	**Reset** Press the reset button in power on state to restart AP. **Restore to Bridging Mode default settings** Press the reset button in power on state for at least 5 seconds to change the network status to Bridging Mode and restore all other settings to factory default settings for Bridging Mode. **Restore to Routing Mode default settings** Press the reset button in power off state. Hold the button and plug in the power for 10 seconds. This makes the device change to Routing Mode and restores all other settings to factory default settings for Routing Mode.

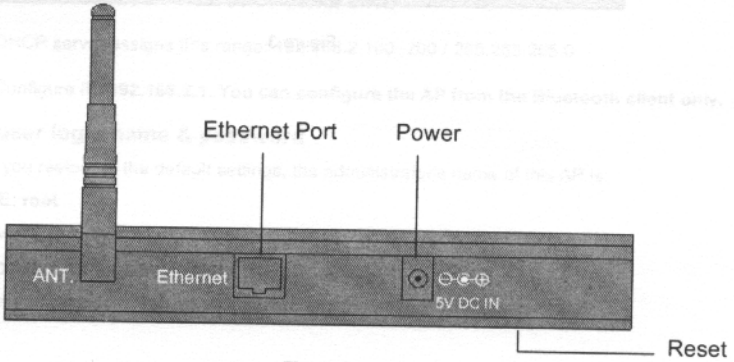

Figure 2

The Bluetooth PAN Access Point's LEDs

Feature	Detailed Description
Bluetooth Act	• This blue LED indicates Bluetooth wireless activity. • If the **restore to Bridging Mode default settings** is successful, this blue LED flashes on and off three times. • If the **Restore to Routing Mode default settings** is successful, this blue LED flashes on and off once.
Ethernet Act	This green LED indicates that the AP's Ethernet interface has been enabled.
Power	This red LED indicates that the AP's power is on.

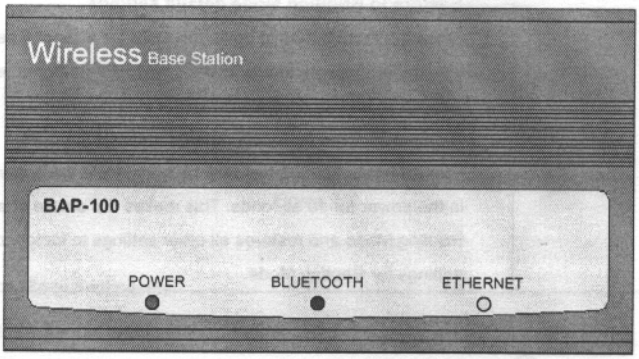

Figure 3