

User's Guide

Creative Sound Blaster Wireless Entertainment

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CREATIVE

Network

BLASTER

Contents

Contents

1 Introduction

Package Contents	1-1
Minimum System Requirements	1-1
Model Number, Serial Number and MAC Address	1-1
Product Registration	1-2
Technical Support and Warranty	1-2
Document Conventions	1-2

2 Your Sound Blaster Wireless Entertainment At A Glance

Wireless MP3 Receiver	2-1
Remote Control	2-3

3 Getting Started

Step 1: Install Wireless Entertainment	3-1
Step 2: Add songs to the Now Playing List	3-2
Step 3: Set up the Wireless MP3 Receiver	3-2
Step 4: Play Music	3-3

4 Using Your Remote Control

Selecting Menu Options	4-1
Playing Music	4-1
Playing a song	4-1
Playing all songs	4-1
Playing songs in the Now Playing List	4-1
Playing a Playlist	4-2

Playing a Smart Playlist	4-2
Playing a Favorite Playlist	4-2
Playing songs from an artist	4-3
Playing songs from an album	4-3
Playing songs from a genre	4-3
Viewing the Now Playing List	4-4
Setting Play Modes	4-4
Viewing Configuration Information	4-4
Using one Remote Control with different Wireless MP3 Receivers	4-5
Checking the Battery Status	4-5

Appendixes

A About Music Files

Overview	A-1
Downloading from the Internet	A-1
"Ripping" Audio CDs	A-1

B Frequently Asked Questions

Installation	B-1
--------------------	-----

C Maintenance and Safety Advice

Wireless MP3 Receiver and Remote Control	C-1
Batteries	C-1

D Technical Specifications

Wireless MP3 Receiver	D-1
-----------------------------	-----

Remote Control	D-2
----------------------	-----

E Glossary

CREATIVE

Network

BLASTER

1

Introduction

Introduction

Thank you for choosing the Creative Sound Blaster Wireless Entertainment.

Package Contents

The following items are included in your package:

- ☐ Wireless MP3 Receiver
- ☐ Remote Control and three AA batteries
- ☐ Power adapter
- ☐ USB cable
- ☐ RCA-to-miniplug cable
- ☐ Quick Start leaflet
- ☐ Installation CD

Minimum System Requirements

- ☐ Microsoft® Windows® 98 Second Edition (SE), Windows 2000, Windows Millennium Edition (Me) or Windows XP
- ☐ Intel® Pentium® III 350MHz or equivalent
- ☐ 128MB RAM
- ☐ CD-ROM/DVD-ROM drive for software installation
- ☐ Available USB port for installation and configuration
- ☐ Installed an IEEE 802.11b or 802.11g compliant wireless LAN with a wireless router or access point

Model Number, Serial Number and MAC Address

You will find a model number, a serial number and a MAC address on your Wireless MP3 Receiver.

You will need to provide model and serial numbers when contacting Technical Support. Additionally, you will need the MAC address on your Wireless MP3 Receiver if you have enabled the MAC address security feature on your wireless LAN.

Product Registration

Enjoy a host of benefits by registering your product during installation, or at www.creative.com/register. Benefits include:

- ☐ Service and product support from Creative
- ☐ Exclusive updates on promotions and events

Technical Support and Warranty

Technical Support information can be found on the Installation CD.

d:\support\<language>\support.pdf

Warranty information can be found on the Installation CD as well.

d:\warranty\<region>\<language>\warranty.pdf

(replace **d:** with the drive letter of your CD-ROM/DVD-ROM drive, **<region>** with the geographical region you are in, and **<language>** with the language that the document is in)

Please keep your Proof of Purchase for the duration of the Warranty period.

Document Conventions

This User's Guide uses the following icons to highlight useful or urgent information.



Tip. This tells you about short cuts or hints relating to a feature.



Note. This highlights additional or important information about a feature.



Caution! This highlights proper usage of your product. Use this information to avoid risky situations.



Warning! This warns you of possible hazards to yourself or your product, that may result in injury or damage.

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2

**Your Sound Blaster Wireless
Entertainment At A Glance**

Your Sound Blaster Wireless Entertainment At A Glance

Wireless MP3 Receiver



1

FIND REMOTE
button

- Activates a beeping sound from the Remote Control. Use this feature if you need to locate your Remote Control
- Assigns a Remote Control to a Wireless MP3 Receiver. This lets you a Remote Control with different Wireless MP3 Receivers. See "Using Your Remote Control" on page 4-1 for more information.

2

LED indicator

- Lights up when you press the FIND REMOTE button, or when you press any button on the Remote Control

3

USB port


- Connects to your computer's USB port using the supplied USB cable when your are installing and configuring the Wireless MP3 Receiver

4	OPTICAL OUT connector	○ Connects to the optical input of a speaker system (available separately)
5	LINE OUT jacks	○ Connects to the Front Left and Front Right inputs of a speaker system (available separately)
6	6V AC IN connector	○ Connects to a power outlet using the supplied power adapter

**Remote
Control**



1	Power button	○ Turns on your Wireless MP3 Receiver or sets it to standby
2	LCD	○ Displays menu options
3	NOW PLAYING button	○ Shows Now Playing List menu on the Remote Control LCD
4	MENU button	○ Shows main menu on the Remote Control LCD
5	LIBRARY button	○ Shows Music Library menu on the Remote Control LCD
6	Navigation buttons	<ul style="list-style-type: none"> ○ Up ▲ and Down ▼ buttons scroll through menu options on the LCD ○ Right ► button selects a highlighted menu option, or shows a list of additional options for the highlighted menu option. ○ Left ◀ button returns to the previous menu.
7	Skip Back button	<ul style="list-style-type: none"> ○ Press to skip to the previous track ○ Press and hold to skip back within a track
8	Skip Forward button	<ul style="list-style-type: none"> ○ Press to skip to the next track ○ Press and hold to skip ahead within track
9	Play button	○ Starts playback
10	Stop button	○ Stops playback

11	Pause button	○ Pauses playback
12	MODE button	<ul style="list-style-type: none"> ○ Toggles between Normal, Repeat, Repeat All and Shuffle play modes ○ Assigns a Remote Control to a Wireless MP3 Receiver. This lets you a Remote Control with different Wireless MP3 Receivers. See "Using Your Remote Control" on page 4-1 for more information.
13	MUTE button	○ Mutes the volume.  appears on the LCD when the volume is muted.
14	Volume buttons	○ Increases or decreases playback volume
15	FAVORITES buttons	○ Play back Favorite Playlists that you have assigned to these buttons. You can use Wireless Entertainment Application to assign Favorite Playlists. For more information about using Wireless Entertainment Application, refer to its online help.

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3

Getting Started

Getting Started

Step 1: Install Wireless Entertainment

1. Before you begin, turn on your computer and make sure your wireless router or access point is set up and working properly.
2. Turn on your computer and connect your Wireless Entertainment to your computer's USB port using the supplied USB cable.

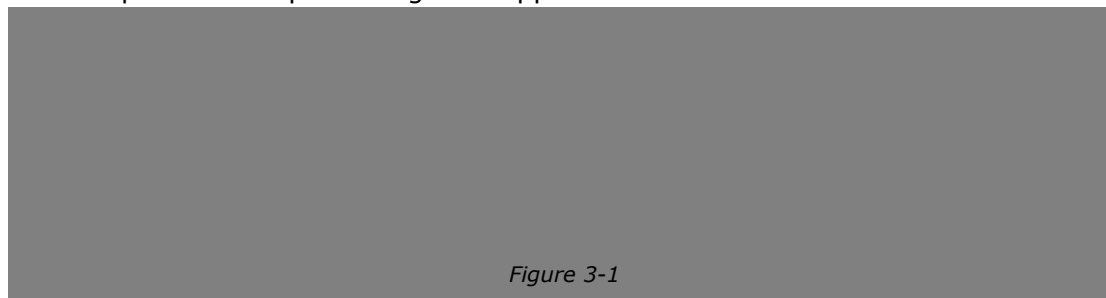


Figure 3-1

3. Insert the Installation CD into your CD-ROM/DVD-ROM drive. The disc supports Windows Autoplay mode and starts running automatically. If not, you need to enable the Windows auto-insert notification feature for your CD-ROM/DVD-ROM drive. For more details, see "Installation" on page B-1.
4. Select the Wireless Entertainment **Setup Wizard** option and click the **OK** button.
5. In the Wireless Entertainment **Configuration — Network** dialog box, select a network from the list available networks, and click the **Next** button. If your network is not listed, click the **Scan** button to refresh the list of available networks, or select the **Use this SSID** option and enter the SSID of the network you want to connect to.
6. If the selected network is WEP encrypted, enter the encryption information, and click the **Next** button. Refer to the User's Guide of your wireless router or access point to learn how to view your network's encryption information.

Step 2: Add songs to the Now Playing List

7. Follow the onscreen instructions to complete the installation.
If the settings you have entered are incompatible with your selected network, the Wireless Entertainment Setup Wizard will return you to the first setup page so you can enter your settings again.
 8. Disconnect your Wireless Entertainment from your computer when you are prompted to do so.
1. After ripping your favorite CDs or downloading music files from the Internet, launch Wireless Entertainment Application by clicking **Start -> Programs/All Programs -> Creative -> Wireless Entertainment -> Wireless Entertainment Application**.
 2. Click the **Add Tracks** button and select the music files that you want to add to the Now Playing List in Wireless Entertainment Application.



Figure 3-2

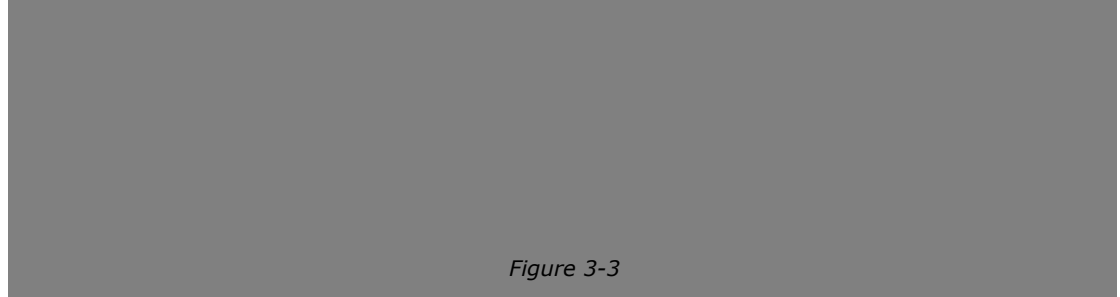
For more information about using Wireless Entertainment Application, refer to its online help.

For more information about ripping and downloading music files, refer to "About Music Files" on page A-1.

Step 3: Set up the Wireless MP3 Receiver

1. Decide where you would like to place your Wireless MP3 Receiver. For best performance, place your Wireless MP3 Receiver on a flat surface where there is minimum obstruction between your Wireless MP3 Receiver and your wireless router or access point.

2. Connect your Wireless MP3 Receiver to speakers or a home stereo system (both available separately).



3. Connect your Wireless MP3 Receiver to a power outlet using the supplied power adapter, and turn on the power of the power outlet (if necessary).

Step 4: Play Music

1. Insert three AA batteries into the Remote Control and press the **Power** button on your Remote Control.
2. Click the **Play** button on your Remote Control to start playing songs that are in the Now Playing List.
3. Press the **Volume** buttons on your Remote Control to increase or decrease the volume.
4. After you have finished using Sound Blaster Wireless Entertainment, press the **Power** button on your Remote Control to set your Wireless MP3 Receiver to standby.

For more information about using the Remote Control, refer to "Using Your Remote Control" on page 4-1.

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4

Using Your Remote Control

Using Your Remote Control

Selecting Menu Options

You can use the Navigation buttons to scroll and select menu options. For example, if you are in the Now Playing List menu:

1. Press the **Up ▲** and **Down ▼** buttons to scroll up and down the menu.
2. Press the **Right ►** button to select a highlighted menu option, or show a list of additional options for the highlighted menu option.
3. Press the **Left ◀** button to return to the previous menu.

Playing Music

Playing a song

1. Press the **MENU** button.
2. Scroll to the Music Library option and press the **Right ►** button.
3. Scroll to the All Tracks option and press the **Right ►** button.
4. Scroll a song and press the **Play** button to start playback, or press the **OK** button to add the selected song to the Now Playing List.

Playing all songs

1. Press the **MENU** button.
2. Scroll to the Music Library option and press the **Right ►** button.
3. Scroll to the All Tracks option and press the **Play** button to start playback.

Playing songs in the Now Playing List

1. Press the **Play** button to start playing all songs in the Now Playing List.
2. If the Now Playing List is empty, the Favorite Playlist assigned to **FAVORITES** button 1 will start playing by default.

You can use Wireless Entertainment to assign Favorite Playlists. For more information about using Wireless Entertainment Application, refer to its online help.

Playing a Playlist

1. Press the **MENU** button.
2. Scroll to the Music Library option and press the **Right ►** button.
3. Scroll to the Playlist option and press the **Right ►** button.
4. Scroll to a Playlist and press the **Play** button to start play back, or press the **OK** button to add the songs in the selected Playlist to the Now Playing List.
To view the songs listed under the highlighted Playlist, press the **Right ►** button.

You can use Wireless Entertainment to create Playlists. For more information about using Wireless Entertainment Application, refer to its online help.

Playing a Smart Playlist

1. Press the **MENU** button.
2. Scroll to the Music Library option and press the **Right ►** button.
3. Scroll to the Smart Playlist option and press the **Right ►** button.
4. Scroll to a Smart Playlist and press the Play button to start play back, or press the OK button to add the songs in the selected Smart Playlist to the Now Playing List.
To view the songs listed under the highlighted Smart Playlist, press the **Right ►** button.

You can use Wireless Entertainment Application to create Smart Playlists. For more information about using Wireless Entertainment Application, refer to its online help.

Playing a Favorite Playlist

Press one of the **FAVORITE** buttons to play back the Favorite Playlist that you have assigned to the button. Alternatively, you can select a Favorite Playlist from the Favorite Playlists menu.

To select a Favorite Playlist from the Favorite Playlists menu

1. Press the **MENU** button.
2. Scroll to the Favorite Playlists option and press the **Right ►** button.

3. Scroll to a Favorite Playlist and press the **Play** button to start play back or press the **OK** button to add the songs in the selected Favorite Playlist to the Now Playing List.
To view the songs listed under the highlighted Favorite Playlist, press the **Right ►** button.

You can use Wireless Entertainment Application to assign Favorite Playlists. For more information about using Wireless Entertainment Application, refer to its online help.

Playing songs from an artist

1. Press the **MENU** button.
2. Scroll to the Music Library option and press the **Right ►** button.
3. Scroll to the Artist option and press the **Right ►** button.
4. Scroll to an Artist and press the **Play** button to start play back, or press the **OK** button to add all songs from the selected Artist to the Now Playing List.
To view the Albums listed under the highlighted Artist, press the **Right ►** button.

Playing songs from an album

1. Press the **MENU** button.
2. Scroll to the Music Library option and press the **Right ►** button.
3. Scroll to the Album option and press the **Right ►** button.
4. Scroll to an Album and press the **Play** button to start play back, or press the **OK** button to add the songs from the selected Album to the Now Playing List.
To view the songs listed under the highlighted Album, press the **Right ►** button.

Playing songs from a genre

1. Press the **MENU** button.
2. Scroll to the Music Library option and press the **Right ►** button.
3. Scroll to the Genre option and press the **Right ►** button.

4. Scroll to a Playlist and press the **Play** button to start play back, or press the **OK** button to add the songs from the selected Genre to the Now Playing List. To view the Artists listed under the highlighted Genre, press the **Right ►** button.

Viewing the Now Playing List

Press the **NOW PLAYING** button to view the Now Playing List. You can view the Now Playing List at anytime. If a song is being played back the following information is displayed:

- ☐ artist and album name
- ☐ title of the song
- ☐ elapsed time
- ☐ order number of current song and total number of songs in the Now Playing List

Setting Play Modes

Press the **MODE** button to toggle between the following play modes:

- Repeat
Repeats the current song. When you select this play mode, the **Repeat** icon will appear on the LCD.
- Repeat All
Repeats all songs in your PC Music Library. When you select this play mode, the **Repeat All** icon will appear on the LCD.
- Shuffle
Plays all songs in random order. When you select this play mode, the **Shuffle** icon will appear on the LCD.
- Normal
Resumes playing songs in sequence.

Viewing Configuration Information

The Info menu lets you view the following information:

- ☐ Wireless MP3 Receiver name
- ☐ Wireless MP3 Receiver MAC address
- ☐ Wireless MP3 Receiver IP address
- ☐ Wireless MP3 Receiver firmware version
- ☐ Remote Control firmware version
- ☐ number of songs in PC Music Library

Using one Remote Control with different Wireless MP3 Receivers

To display the Info menu

1. Press the **MENU** button.
2. Scroll to the Info option and press the **Right ►** button.

If you have more than one Wireless MP3 Receiver, you can use one Remote Control to control all the Wireless MP3 Receivers. However, you can only control one Wireless MP3 Receiver at a time. To select the Wireless MP3 Receiver your Remote Control controls, you need to assign the Remote Control to the Wireless MP3 Receiver.

To assign a Remote Control to a Wireless MP3 Receiver

1. Press and hold the **MODE** button on the Remote Control until the LED indicator on the Wireless MP3 Receiver starts blinking.
2. Press the **FIND REMOTE** button on the Wireless MP3 Receiver. The Remote Control is now assigned to this Wireless MP3 Receiver. Repeat this procedure to assign the Remote Control to different Wireless MP3 Receiver.

Checking the Battery Status

The LCD may display one of the following icons to indicate the battery status:



○ Batteries are full



○ Batteries are 60% full



○ Batteries are 30% full



○ Replace your batteries as soon as you can

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A

About Music Files

About Music Files

Overview

You can download music files from Internet music sites, or "rip" music files from audio CDs to your computer. Music files that you add to the Wireless Entertainment Application must, however, be MP3 or WMA files.

MP3 and WMA files are music files that have lossy compression encoding, which means that some data is lost during compression. However, using standard sampling rates and bitrates will ensure that these music files retain much of their audio quality. The standard bitrate of most MP3 files is 128 Kbps, although some are set higher, at 160 or 192 Kbps. The standard bitrate for most WMA files is 64 Kbps. Higher bitrates will result in better audio quality, but file sizes will be larger as a consequence.

Downloading from the Internet

To get MP3 files from the Internet, use a search engine to locate sites with MP3 content. You can also try out these sites (web sites listed here are correct at the time of this document's release):

- ☐ NOMADWorld (<http://www.NOMADworld.com>)
- ☐ AMP3.com (<http://www.amp3.com>)
- ☐ SoundClick.com (<http://www.soundclick.com>)
- ☐ ArtistOne.com (<http://www.artistone.com>)
- ☐ Epitonic.com (<http://www.epitonic.com>)
- ☐ Soundbuzz.com (<http://www.soundbuzz.com>)

Follow the instructions on the sites to download the music files to your computer.

"Ripping" Audio CDs

The first phase of "ripping" is extracting audio data (usually WAV files) from an audio CD. Encoding is the second phase, where the audio data is converted into MP3 or WMA files. To "rip" audio CDs, you will need a CD-ROM/DVD-ROM drive that can extract digital audio data, and a program such as Creative MediaSource Organizer that can extract and encode this data. With Creative MediaSource Organizer, you can "rip" most audio CDs, as well as organize and transfer these "ripped" files.

The time needed for a successful audio extraction depends on:

- ☐ CD-ROM/DVD-ROM drive speed
- ☐ defects, like scratches on the audio CD
- ☐ error-checking features on the CD-ROM/DVD-ROM drive

To rip an audio CD using Creative MediaSource Organizer

1. Insert an audio CD into your CD-ROM/DVD-ROM drive.
2. Launch Creative MediaSource Organizer by clicking the **Creative MediaSource Player/Organizer** icon on your desktop.
3. If you are not already in Creative MediaSource Organizer, click the **Player/Organizer View** button.
4. In the **Sources** window, select **[d:] Audio CD** (replace **d:** with your CD-ROM/DVD-ROM drive).
5. In the **Task** bar, click the **Rip Now** button.

For more information about using Creative MediaSource, refer to its online Help.

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B

Frequently Asked Questions

Frequently Asked Questions

This section covers common problems you might encounter or questions you might have while using your player. If you have a technical problem with this product, you may wish to consult our self-help tool "Knowledgebase" for online troubleshooting and solutions. Go to www.creative.com and select your region.

Installation

What do I do when the installation does not start automatically after the Installation CD is inserted?

The AutoPlay feature in your Windows system may not be enabled.

To start the installation program through the My Computer shortcut menu

1. On your Windows desktop, double-click the **My Computer** icon.
2. Right-click the CD-ROM/DVD-ROM drive icon, and then click **AutoPlay**.
3. Follow the onscreen instructions.

To enable AutoPlay through Auto Insert Notification

1. Click **Start -> Settings -> Control Panel**.
2. Double-click the **System** icon. The **System Properties** dialog box appears.
3. Click the **Device Manager** tab and select your CD-ROM drive.
4. Click the **Properties** button.
5. Click the **Settings** tab, and then select **Auto Insert Notification**.
6. Click the **OK** button.

To start the installation program through Windows Explorer

1. In Windows Explorer, search and locate the **d:\ctrun** folder (replace **d:** with the drive letter of your CD-ROM/DVD-ROM drive).
2. Double-click the **ctrun.exe** file.

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C

Maintenance and Safety Advice

Maintenance and Safety Advice

Wireless MP3 Receiver and Remote Control

- ☐ Store away from direct sunlight.
- ☐ Do not expose to heat or fire.
- ☐ Avoid using or storing in surroundings that exceed 45°C (113°F).
- ☐ Keep away from excessive moisture.
- ☐ Do not subject to excessive force or impact.
- ☐ Do not modify or disassemble.
- ☐ Only clean the product with a soft dry cloth. Do not use liquid cleaners.
- ☐ Only qualified personnel should repair or service the product.
- ☐ Remember to set the volume at a moderate level. Listening to music at high volumes can impair your hearing and damage your speakers.

Batteries

- ☐ Store away from direct sunlight.
- ☐ Do not expose to heat or fire.
- ☐ Avoid using or storing in surroundings that exceed 45°C (113°F).
- ☐ Keep away from excessive moisture.
- ☐ Do not subject to excessive force or impact.
- ☐ Do not modify or disassemble.
- ☐ Avoid contact with metal objects.
- ☐ Do not pierce or crush.
- ☐ If there is leakage, stench, discoloration or deformation during charging or use, remove the battery and do not use it again. Clean your hands well before handling food or touching sensitive areas of your body, for example, your eyes.

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D

Technical Specifications

Technical Specifications

Wireless MP3 Receiver

Standards	<input type="checkbox"/> IEEE 802.11b
Interface	<input type="checkbox"/> USB 1.1 port for Wireless MP3 Receiver installation and configuration <input type="checkbox"/> Two RCA jacks for analog output <input type="checkbox"/> Optical connector for optical SPDIF output
Antenna	<input type="checkbox"/> Built-in antenna (2.4 GHz)
Frequency Band	<input type="checkbox"/> 2.412–2.462 GHz
Data Rate	<input type="checkbox"/> 11, 5.5, 2, 1 Mbps
Channels	<input type="checkbox"/> 11 Channels (US, Canada), 13 Channels (Europe), 14 Channels (Japan)
Security	<input type="checkbox"/> 64 or 128-bit WEP encryption
Range	<input type="checkbox"/> Up to 30 meters (98 feet), depending on the signal strength of your wireless network
Playback Formats	<input type="checkbox"/> MPEG Audio Layer 3 (MP3) and Windows Media Audio (WMA)
Power Adapter	<input type="checkbox"/> 6VAC 1.5A adaptor

Remote Control

LCD

- ❑ 132 x 64 pixel backlit display

Frequency Band

- ❑ For US (FCC): 906 MHz, 910 MHz, 917 MHz, 924 MHz
- ❑ For Europe (CE): 433.3 MHz, 433.7 MHz, 434.1 MHz, 434.5 MHz

Range

- ❑ Up to 5 meters (16 feet)

Power Requirements

- ❑ 3 AA batteries

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E

Glossary

Glossary

Ad-hoc mode	A small peer-to-peer network mode, in which wireless clients are connected to each other directly without using an access point. Some of the wireless clients are part of the network for a limited duration. They are also in close proximity with the rest of the network. According to the IEEE 802.11b specification, Ad-hoc mode is referred to as an independent basic service set.
Antenna	A device that intercepts radio frequency (RF) waves from the atmosphere and converts them to corresponding signal voltages.
Access Point (AP)	A networking device that transparently bridges wireless computers to a wired local network.
Bandwidth	A measure of the maximum rate of data transfer. A higher bandwidth allows more data transmission in a given period of time. For digital services, the bandwidth is usually expressed in bits or bytes per second.
BSS (Basic Service Set)	A group of wireless clients and an access point using the same ID (SSID).
DHCP (Dynamic Host Configuration Protocol)	A method of assigning a temporary IP address to a host, such as a computer, connected on a specific network. With dynamic addressing, a particular host may have a different IP address each time it connects to the network.
Dynamic IP address	See <i>DHCP (Dynamic Host Configuration Protocol)</i> .

Encryption	A procedure to convert a file from its original form to one that can be read only by the intended recipient.
IEEE 802.11	A family of wireless network standards, which includes 802.11a, 802.11b, 802.11e, and 802.11g. The original 802.11 standard was first approved in 1997 but was not very successful because it was relatively slow at 2 Mbps.
IEEE 802.11b	A high-bit wireless network standard that works on the 2.4 GHz band and utilizes DSSS (direct sequence spread spectrum) technology. It offers data bit rates of up to 11 Mbps and the range is from 200 to 300 feet for maximum speed.
IEEE 802.11g	A new 802.11 standard for wireless networking hardware. The 802.11g standard specifies a maximum data transfer rate of 54 Mbps, an operating frequency of 2.4 GHz, backward compatibility with 802.11b devices and WEP encryption for security.
Infrastructure mode	A LAN or other small network mode in which wireless clients are part of the network and use one or more access points to connect to a wired network. Each access point is connected to the Ethernet network using a standard Ethernet cable. In IEEE 802.11b specification, the infrastructure mode is referred to as the Basic Service Set.
IP (Internet Protocol)	The standard protocol within TCP/IP that defines the basic unit of information by breaking down data messages into packets, routing and transporting the packets over networks, then reassembling the packets at their destination. IP corresponds to the Network layer (layer 3) in the ISP/OSI model.
IP address	The address for a computer on a TCP/IP network. The IP address identifies a particular machine on a network. The format of an IP address is a 32-bit numeric address written as four numbers separated by periods. Each number can be 0 to 255, for example, 11.160.10.240 is an IP address. Any machine connected to the Internet is assigned an IP address.

LAN (Local Area Network)	A computer network that spans a relatively small area. Most LANs are confined to an office, single building, or group of buildings.
MAC (Media Access Control) address	A unique number that is assigned by manufacturers to each Ethernet network device. A MAC address lets a network identify Ethernet network devices at the hardware level.
Router	A hardware device that connects two separately functional networks using the same or different protocols. Routers look at the destination addresses on the packets passing through them and then decide which route to send them on.
SSID (Service Set Identity)	A group name shared by all members of an IEEE 802.11 standard wireless network. Only wireless devices with the same SSID are allowed to establish connections.
Static IP address	A permanent IP address assigned to a computer (host) connected on a specific network.
TCP/IP (Transmission Control Protocol/ Internet Protocol)	A suite of communication protocols that are used by computers or networking devices on the Internet so that they can communicate with each other. TCP/IP uses several protocols, the two main being TCP and IP.
USB (Universal Serial Bus)	A plug-and-play interface that allows the user to attach a device without having to add an adapter card and turning off the computer.
WEP (Wired Equivalent Privacy)	A wired security policy defined by the IEEE 802.11 working group. WEP uses the RC-4 40-bit encryption algorithm to scramble all data before it is transmitted. Vendors add proprietary encryption features to their software, taking the encryption level up to 128 bits.

Wi-Fi

Wi-Fi is promoted by the Wireless Ethernet Compatibility Alliance (WECA). It places a stamp of certification on wireless products that are interoperable with other 802.11b compliant products.