

LINKSYS®

A Division of Cisco Systems, Inc.



2.4GHz
802.11b Wireless-B



Media Link for Music User Guide

Model No. **WML11B/WMLS11B**



Copyright and Trademarks

Linksys is a registered trademark or trademark of Cisco Systems, Inc. and/or its affiliates in the U.S. and certain other countries. Copyright © 2004 Cisco Systems, Inc. All rights reserved.

How to Use this Guide

This User Guide has been designed to make understanding networking with the Media Link easier than ever. Look for the following items when reading this Guide:



This checkmark means there is a Note of interest and is something you should pay special attention to while using the Media Link.



This exclamation point means there is a Caution or Warning and is something that could damage your property or the Media Link.



This question mark provides you with a reminder about something you might need to do while using the Media Link.

In addition to these symbols, there are definitions for technical terms that are presented like this:

word: definition.

Also, each figure (diagram, screenshot, or other image) is provided with a figure number and description, like this:

Figure 0-1: Sample Figure Description

Figure numbers and descriptions can also be found in the “List of Figures” section in the “Table of Contents”.

Table of Contents

Chapter 1: Introduction	1
Welcome	1
What's in this Guide?	2
Chapter 2: Getting to Know the Wireless-B Media Link for Music or the Wireless-B Music System	4
Front Panel	4
Back Panel	4
Remote Controller	5
Speakers (Optional)	6
Chapter 3: Connecting the Wireless-B Media Link for Music to Your Network for Setup	8
Overview	8
Connection to a Wired Network for Setup	8
Chapter 4: Setting up the Wireless-B Media Link for Music	10
Overview	10
Running the Setup Wizard	10
Setting up Musicmatch Jukebox	16
Chapter 5: Connecting the Wireless-B Media Link for Music to Your Audio System	17
Overview	17
Connecting the Media Link to Its Speakers (Optional)	17
Connecting to the Media Link to Your Stereo	19
Connecting the Media Link to Your Network	21
Using the LCD Menus to Set up the Media Link	22
Installing the Media Server Software	26
Setting up Musicmatch Jukebox	26
Chapter 6: Using the LCD Menus of the Wireless-B Media Link for Music	28
Overview	28
LCD Menu Icons	29
Playlist Menu	30
Favorites Menu	30
Browse Menu	30

Internet Radio Menu	31
Media Server Menu	31
Network Setup Menu	31
Network Status Menu	36
Update Radio List Menu	36
EQ Menu	36
Chapter 7: Using the Web-based Utility of the Wireless-B Media Link for Music	37
Overview	37
Login	37
Setup	38
Favorites	40
Password	41
Status	42
Help	43
Appendix A: Troubleshooting	44
Common Problems and Solutions	44
Frequently Asked Questions	45
Appendix B: Wireless Security	47
Security Precautions	47
Security Threats Facing Wireless Networks	47
Appendix C: Planning Your Use of the Wireless-B Media Link for Music	49
Overview	49
Using the Media Link as Part of Your Wireless Network	49
Using the Media Link as Part of Your Wired Network	49
Appendix D: Upgrading Firmware	50
Appendix E: Windows Help	51
Appendix F: Glossary	52
Appendix G: Specifications	57
Appendix H: Warranty Information	59
Appendix I: Regulatory Information	60
Appendix J: Contact Information	61

List of Figures

Figure 2-1: Media Link Front Panel	4
Figure 2-2: Media Link Back Panel	4
Figure 2-3: Remote Controller	5
Figure 2-4: Right Speaker Back Panel	6
Figure 2-5: Left Speaker Back Panel	7
Figure 3-1: Connect the Ethernet Network Cable	8
Figure 3-2: Connect the Media Link's Power	8
Figure 3-3: Insert the Base Plate	9
Figure 4-1: Welcome Screen	10
Figure 4-2: License Agreement Screen	11
Figure 4-3: Connection for Setup Screen	11
Figure 4-4: Media Link Selection Screen	12
Figure 4-5: Connection after Setup Screen	12
Figure 4-6: Basic Settings Screen	13
Figure 4-7: Basic Wireless Settings Screen	13
Figure 4-8: Wireless Security Settings Screen	14
Figure 4-9: Confirmation Screen	14
Figure 4-10: Media Services Screen	15
Figure 4-11: Congratulations Screen	15
Figure 4-12: Musicmatch Jukebox Icons	16
Figure 4-13: CD Lookup/Connectivity Tab	16
Figure 5-1: Connecting the Media Link to Its Speakers (WMLS11B only)	17
Figure 5-2: Attaching the Right Speaker	18
Figure 5-3: Connecting the RCA Cable to the Right Speaker	18
Figure 5-4: Connecting the Speakers	18
Figure 5-5: Connecting the Power Cord to the Right Speaker	18
Figure 5-6: Connecting the Media Link to Your Stereo	19
Figure 5-7: Connecting the RCA Cable to Your Stereo	20

Figure 5-8: Connecting the Optical Cable to Your Stereo	20
Figure 5-9: Connect the Power	21
Figure 5-10: Wireless Network Icon	21
Figure 5-11: Wired Network Icon	21
Figure 5-12: Main Menu Screen	22
Figure 5-13: Network Setup Screen	22
Figure 5-14: Wireless Screen	23
Figure 5-15: SSID Screen	23
Figure 5-16: Network Type Screen	23
Figure 5-17: Encryption Screen	24
Figure 5-18: Site Survey Screen	24
Figure 5-19: TCP/IP Screen	25
Figure 5-20: IP Address Screen	25
Figure 5-21: Welcome Screen	26
Figure 5-22: Musicmatch Jukebox Icons	26
Figure 5-23: CD Lookup/Connectivity Tab	27
Figure 6-1: Main Menu Screen	28
Figure 6-2: Song Playing Screen	28
Figure 6-3: Wired Network	29
Figure 6-4: Wireless Network	29
Figure 6-5: No Network Signal	29
Figure 6-6: Music Track Playing	29
Figure 6-7: Music Track Paused	29
Figure 6-8: Mute Music Track	29
Figure 6-9: Shuffle Music Tracks	29
Figure 6-10: Repeat Music Track	29
Figure 6-11: Repeat All Music Tracks	29
Figure 6-12: Playlist Screen	30
Figure 6-13: Favorites Screen	30
Figure 6-14: Browse Screen	30

Figure 6-15: Internet Radio Screen	31
Figure 6-16: Media Server Screen	31
Figure 6-17: Network Setup Screen	31
Figure 6-18: Device Name Screen	32
Figure 6-19: Wireless Screen	32
Figure 6-20: SSID Screen	32
Figure 6-21: Network Type Screen	33
Figure 6-22: Encryption Screen	33
Figure 6-23: Key Screen	33
Figure 6-24: Site Survey Screen	34
Figure 6-25: TCP/IP Screen	34
Figure 6-26: IP Address Screen	34
Figure 6-27: Proxy Screen	35
Figure 6-28: Hostname Screen	35
Figure 6-29: Device Name Screen	36
Figure 6-30: Update Radio List Screen	36
Figure 6-31: EQ Screen	36
Figure 7-1: Password Screen	37
Figure 7-2: Setup Tab	38
Figure 7-3: Security Setting Screen	39
Figure 7-4: Favorites Tab	40
Figure 7-5: Password Tab	41
Figure 7-6: Status Tab	42
Figure 7-7: Help Tab	43
Figure C-1: Example of a Wireless Network	49
Figure C-2: Example of a Wired Network	49
Figure D-1: Firmware Upgrade Screen	50
Figure D-2: Congratulations Screen	50

Chapter 1: Introduction

Welcome

Thank you for choosing the Wireless-B Media Link for Music. This Media Link lets you send the digital music stored on your computer to your stereo, without running cables through the house. You can also listen to music streaming from your favorite Internet radio station. And with the powered speakers included with the Wireless-B Music System, you can hear your digital music collection wherever you don't have a stereo, such as the patio or kitchen.

How does the Media Link for Music do all of this? The Wireless-B Media Link for Music sits by your home stereo and connects to it using standard audio cables. Then it connects to your home network by Wireless-B (802.11b) networking, or if you prefer, it can be connected via standard 10/100 Ethernet cabling. Using the included remote control and the user-friendly menus on the Media Link's LCD screen, you can browse through the digital music tracks by album, artist, genre, or playlist. Choose the music you want, and let the Wireless-B Media Link for Music play it through your stereo system.

Use the instructions in this Guide to help you integrate the Media Link for Music into your network. These instructions should be all you need to get the most out of the Wireless-B Media Link for Music.

802.11b: *an IEEE wireless networking standard that specifies a maximum data transfer rate of 11Mbps and an operating frequency of 2.4GHz.*

Ethernet: *an IEEE standard network protocol that specifies how data is placed on and retrieved from a common transmission medium.*

What's in this Guide?

This user guide covers the steps for setting up and using the Wireless-B Media Link for Music.

- **Chapter 1: Introduction**
This chapter describes the Media Link's applications and this User Guide.
- **Chapter 2: Getting to Know the Wireless-B Media Link for Music or the Wireless-B Music System**
This chapter describes the physical features of the Media Link, its Remote Controller, and optional speakers.
- **Chapter 3: Connecting the Wireless-B Media Link for Music to Your Network for Setup**
This chapter instructs you on how to connect the Media Link to your network before you run the Setup Wizard.
- **Chapter 4: Setting up the Wireless-B Media Link for Music**
This chapter instructs you on how to use the Setup Wizard for setup and configuration of the Media Link. It also explains how to configure the Media Server software on your PC, so you can send music files to the Media Link.
- **Chapter 5: Connecting the Wireless-B Media Link for Music to Your Audio System**
This chapter explains how to connect the Media Link to its speakers (optional) and/or your stereo system. If you prefer to set up the Media Link using its LCD menus, without using a computer, then refer to this chapter.
- **Chapter 6: Using the LCD Menus of the Wireless-B Media Link for Music**
This chapter describes the menus available through the front panel LCD screen, so you can easily select music tracks or Internet radio stations.
- **Chapter 7: Using the Web-based Utility of the Wireless-B Media Link for Music**
This chapter describes the utility, which lets you designate your favorite Internet radio stations and change the Media Link's settings.
- **Appendix A: Troubleshooting**
This appendix describes some potential problems and solutions, as well as frequently asked questions, regarding installation and use of the Media Link.
- **Appendix B: Wireless Security**
This appendix discusses security issues regarding wireless networking and measures you can take to help protect your wireless network.
- **Appendix C: Planning Your Use of the Wireless-B Media Link for Music**
This appendix explains how you can integrate the Wireless-B Media Link into your network.

Wireless-B Media Link for Music

- **Appendix D: Upgrading Firmware**
This appendix instructs you on how to upgrade the Media Link's firmware using its Firmware Upgrade Utility.
- **Appendix E: Windows Help**
This appendix describes how you can use Windows Help for instructions about networking, such as installing the TCP/IP protocol.
- **Appendix F: Glossary**
This appendix gives a brief glossary of terms frequently used in networking.
- **Appendix G: Specifications**
This appendix provides the technical specifications for the Media Link.
- **Appendix H: Warranty Information**
This appendix supplies the warranty information for the Media Link.
- **Appendix I: Regulatory Information**
This appendix supplies the regulatory information regarding the Media Link.
- **Appendix J: Contact Information**
This appendix provides contact information for a variety of Linksys resources, including Technical Support.