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Motorola surfboard extreme sbg6580 manual

M User Guide Motorola SURFboard ® SBG6580 Series Wi-Fi Cable Modem Gateway Page 2 B Safety and Regulatory Information • Motorola SURFboard • User Guide ii © 2010 Motorola, Inc. All rights reserved. No part of this publication may be reproduced in any form or by any means or used to make any derivative work (such as translation, transformation, or adaptation) without written permission from Motorola, Inc. Motorola and the Stylized M logo are registered trademarks of Motorola, Inc. All other product or service names are the property of their respective owners. Motorola reserves the right to revise this publication and to make changes in content from time to time without obligation on the part of Motorola to provide notification of such revision or change. Motorola provides this guide without warranty of any kind, implied or expressed, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose. Motorola may make improvements or changes in the product(s) described in this manual at any time. Page 3 B Safety and Regulatory Information • Motorola SURFboard • User Guide iii Table of Contents Safety and Regulatory Information Introduction In the Box .....1 Contact Information .....1 System Requirements .....2 Product Overview Front Panel.....3 About Wi-Fi Protected Security Feature (WPS) .....4 Rear Panel.....4 Installing the Modem Connecting the SBG6580 .....5 Wall Mounting the Modem .....6 Wall Mounting Template.....8 Connecting to the Internet PROTECT YOUR NETWORK - CHANGE THE DEFAULT PASSWORDS! .....9 Restoring the Default Username and Password.....9 Testing Your Internet Connection .....10 Configuring TCP/IP for Windows XP.....10 Configuring TCP/IP for Windows Vista .....10 Configuring TCP/IP for Windows 7 .....11 Renewing the IP Address in Windows XP, Vista, or 7.....11 Status and Basic Settings Performing a System Status Check .....12 Creating a Backup Copy of Your Modem Settings .....12 Restoring Your Modem Configuration Using a Backup Copy .....12 Using the DHCP Server Feature .....13 Creating Wi-Fi Networks Create a Primary Wireless Network.....14 Create a Guest Wireless Network .....15 Create a Wi-Fi Network Using the WPS Feature .....16 Setting the Parental Control Features Enable Parental Controls .....17 Create Policies to Block or Allow Content .....17 Create an Override Password .....18 Add Users to the Parental Controls .....18 Create a Time of Day Policy (ToD) Filter .....18 Page 4 Page 5 B Safety and Regulatory Information • Motorola SURFboard • User Guide v i Safety and Regulatory Information IMPORTANT SAFETY INSTRUCTIONS Read This Before You Begin When using your equipment, basic safety precautions should always be followed to reduce the risk of fire, electric shock, and injury to persons, including the following: • Read all of the instructions listed here and/or in the user manual before you operate this device. Give particular attention to all safety precautions. Retain the instructions for future reference. • This device must be installed and used in strict accordance with manufacturer’s instructions, as described in the user documentation that is included with the device. • Comply with all warning and caution statements in the instructions. Observe all warning and caution symbols that are affixed to this device. • To prevent fire or shock hazard, do not expose this device to rain or moisture.



Retain the instructions for future reference. • This device must be installed and used in strict accordance with manufacturer’s instructions, as described in the user documentation that is included with the device. • Comply with all warning and caution statements in the instructions. Observe all warning and caution symbols that are affixed to this device. • To prevent fire or shock hazard, do not expose this device to rain or moisture. The device must not be exposed to dripping or splashing. Do not place objects filled with liquids, such as vases, on the device. • This device was qualified under test conditions that included the use of the supplied cables between system components. To ensure regulatory and safety compliance, use only the provided power and interface cables and install them properly. Page 6 B • Do not cover the device or block the airflow to the device with any other objects. Keep the device away from excessive heat and humidity and keep the device free from vibration and dust. • Wipe the device with a clean, dry cloth. Never use cleaning fluid or similar chemicals. Do not spray cleaners directly on the device or use forced air to remove dust. • Upon completion of any service or repairs to this device, ask the service technician to perform safety checks to determine that the device is in safe operating condition. • Do not open the device. Do not perform any servicing other than that contained in the installation and troubleshooting instructions. Refer all servicing to qualified service personnel. • This device should not be used in an environment that exceeds 40º C. SAVE THESE INSTRUCTIONS Note to CATV System Installer: This reminder is provided to call the CATV system installer’s attention to Section 820.93 of the National Electric Code, which provides guidelines for proper grounding and, in particular, specifies that the coaxial cable shield shall be connected to the grounding system of the building, as close to the point of cable entry as practical. Caring for the Environment by Recycling When you see this symbol on a Motorola product, do not dispose of the product with residential or commercial waste. Recycling your Motorola Equipment Please do not dispose of this product with your residential or commercial waste. Some countries or regions, such as the European Union, have set up systems to collect and recycle electrical and electronic waste items. Contact your local authorities for information about practices established for your region. If collection systems are not available, call Motorola Customer Service for assistance. Please visit www.motorola.com/recycle for instructions on recycling. FCC STATEMENTS FCC Interference Statement This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the device off and on, the user is encouraged to try to correct the interference by one or more of the following measures: • Reorient or relocate the receiving antenna. • Increase the separation between the device and receiver. • Connect the equipment into an outlet on a circuit different from that to which the receiver is connected. • Consult the dealer or an experienced radio/TV technician for help. This device complies with part 15 of the 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. FCC CAUTION: Any changes or modifications not expressly approved by Motorola for compliance could void the user’s authority to operate the equipment. Use of the 5150-5250 MHz frequency band is restricted to indoor use only. Safety and Regulatory Information • Motorola SURFboard • User Guide vi