

User Manual

Verbatim MediaShare™ Wireless for Android

Version 1.01



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About This Manual

This manual describes how to use the Verbatim MediaShare Wireless SD/USB device with your Android smartphone or tablet. If you instead want to use the MediaShare Wireless SD/USB device with an iOS smartphone or tablet, please download the user manual for “MediaShare Wireless for iOS”.

Product Overview

The Verbatim portable MediaShare Wireless SD/USB device allows you to use SD memory cards and USB external storage devices as Wi-Fi accessible media. Simply insert your SD memory card into the SD slot or connect your USB external storage into the built-in USB port. Power on the unit and you can now wirelessly access your videos, music, photos, data and stream them to your iPad®, iPhone®, Android™ tablets, and smartphones. There is no need to worry about running out of space on your mobile devices.

For maximum portability, MediaShare has a built-in rechargeable battery. Plug it into any available USB port on your computer to charge the battery.

Product Features

- Supports SDXC, SDHC and SD memory cards up to 128GB. SD adapter is needed for MicroSD and MiniSD.
- Supports USB storage devices
- Stream media to up to 5 Wi-Fi-connected users simultaneously*
- Access and stream your music, videos, photos and data from an SD memory card or from USB external storage using the free custom mobile app supporting iOS and Android operating systems
- Built-in micro USB port for charging and data transfer function
- Up to 9 Hours of continuous battery life**
- In power off mode, able to charge your other portable electronic devices through MediaShare’s USB host port.
- Search function to locate and access your files
- Internet access capability via wireless, supporting 802.11 b/g/n speeds
- Support multiple platform client tools, including iPad/iPhone/Android

* Streaming performance limited by Wi-Fi bandwidth, encoded file data rate, and player buffering capability.

**Battery life subject to normal usage conditions and configurations.

Operating Modes

There are three main operating modes.

1. **Direct USB Connection.** Connect the device to your computer’s USB port using the provided

USB cable. The device will automatically mount on your desktop or in “My Computer”. In this mode the battery of MediaShare will charge, and you can transfer files between your computer and either an installed SD memory card, or an installed USB drive.

2. **Wireless Connection.** Power on the device and use your mobile device to search for available wireless connections. Stream music or videos that you have previously saved to an SD card or flash drive.
3. **Wireless Internet Bridge mode.** After enabling the Internet Bridge feature, wirelessly connect MediaShare to your existing wireless router to have internet access.

Product Specifications

Product Dimensions: 112mm X 78mm X 14mm

Wi-Fi Radio:

Standard: 802.11 b/g/n

Frequency: 2.4 GHZ

Speed: 72Mbps at 20MHz / 150Mbps at 40MHz

Wi-Fi Security:

WPA-PSK

WPA2-PSK

Mixed WPA/WPA2-PSK (default)

Disabled

USB 2.0 Device Port: For data transfer and charging

Battery:

3000 mAh capacity

Charges via USB micro-B port

Charging time up to 7 hours

Regulatory Certifications:

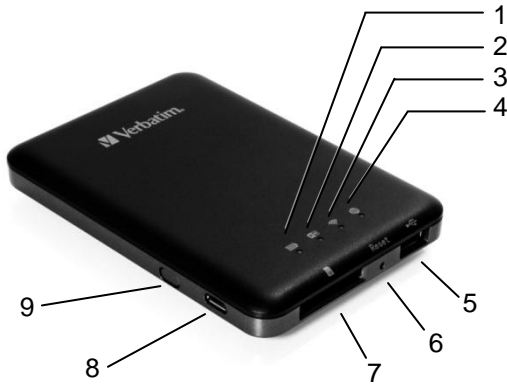
FCC (Class B), CE, IC RSS-210:2010 (Canada),

CEC-2012-BCS (California, Battery Charger Efficiency Requirement)

System Requirements

- Internet Connection (for downloading app and user manual, and for use with optional Internet Bridge feature)
- MediaShare Wireless Android app (available for free download from the Google Play store)
- Requires attached storage device (1GB minimum): SD card (Class 4 or higher) or USB flash drive or USB hard drive
- 200MB available storage on your installed SD card or USB storage device reserved for system functions and therefore not available for user data.
- Android smartphone or tablet running Android version 2.3 or higher.

Product View



Charging MediaShare

Using the supplied cable connect MediaShare to a powered USB port or USB charger in order to charge the built in battery. It may take up to 7 hours to fully charge the battery.

Installing Storage Devices

MediaShare contains no internal storage. You must attach either an SD Card or a USB storage device before you are able to use MediaShare with your smartphone or table.

Once your SD Card or USB storage device is attached, MediaShare will reserve up to 200MB of its capacity for temporary files and other system functions. Therefore this space is not available for user data.

MediaShare supports storage devices using FAT, FAT32, exFAT (for SDXC), or NTFS file systems.



Note: Prior to installing the SD Memory Card or USB Device, make sure MediaShare Wireless is turned off.






Do not touch the exposed connectors on your SD Memory card.

SD Memory Card

Locate the SD memory card slot. Insert the memory card. Gently push the memory card all the way in until it locks into its place.

USB External Storage

Locate the USB host port on the device. Insert a USB drive or portable hard drive cable into the USB port

COMPONENT	DESCRIPTION
1. Battery Level LED 	<ul style="list-style-type: none"> Green ON: The battery charge level is more than 30%. Red ON: The battery charge level is between 10% and 30%. Red Fast Flashing: The battery charge is depleted and the unit will soon shut down. Green Slow Flash (every 2 seconds): The battery is charging. Green Slow Flash (every 1.5 seconds): The device is shutting down. LED off: The device is powered off.
2. Read / Write LED 	During Wi-Fi disk mode: <ul style="list-style-type: none"> Blue ON: Memory connection is successful. Blue Flashing: Memory is reading or writing. During cabled connection mode: <ul style="list-style-type: none"> Blue ON: Connected to a USB host Blue Flashing: Connected to USB2.0 and is reading or writing.
3. Wi-Fi LED 	Blue LED shows the Wi-Fi connection state. <ul style="list-style-type: none"> Flashing indicates that initiation is in process. ON indicates Wi-Fi initiation has completed. The LED is OFF when: <ul style="list-style-type: none"> Device is on, but the Wi-Fi signal is weak. Device is off. Device is in Mobile Mode but the Wi-Fi is off.
4. Internet LED 	<ul style="list-style-type: none"> Green: Connected to the internet via the bridge. Off: Not connected to the Internet.
5. USB Host Port	<ul style="list-style-type: none"> Insert a USB flash drive or USB hard drive for Wi-Fi access. In Power Off mode USB port can be used to charge connected smartphone or tablet.
6. Reset Button	Insert a small tool (such as a paperclip) to press the button and reset the device to Factory Default configuration.
7. SD Card Slot 	Insert SD card for Wi-Fi access. Insert microSD card using appropriate adapter.
8. USB Device Port	<ul style="list-style-type: none"> Use the included USB cable to connect to a computer over USB 2.0 to enable data transfer. Use the included USB cable to connect to a USB port or USB charging adaptor to charge the device.
9. Power Button	Turns the device on/off.

Using Mobile Devices

Installing the App


Power on your Android device (smartphone or tablet) and insure that it is connected to the Internet. Click on the “Play Store” icon on the desktop to access the Play Store.

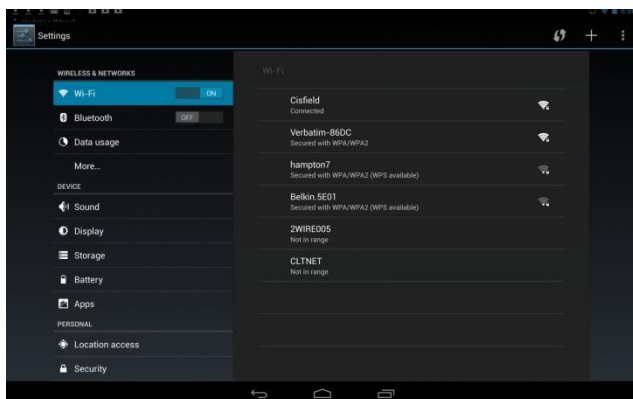


Search and locate the free “MediaShare Wireless” app, click on “Install” and follow the on-screen installation instructions. Once the installation process has been completed, the “MediaShare Wireless” app icon can be found on the desktop.

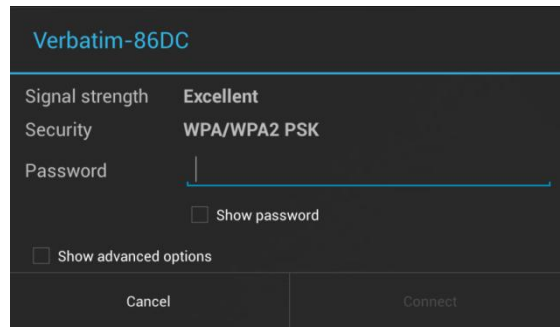


Wirelessly Connecting Your Android Mobile Device

1. Turn-on MediaShare Wireless and wait for it to initialize. The blue Wi-Fi LED on the device should transition from blinking to fully ON to indicate that the initialization process has been completed.
2. Click on the “Settings” icon on your mobile device desktop. 
3. Under “Wireless and Networks”, click on “Wi-Fi”. The SSID option for “Verbatim-XXXX” should appear in the list. (For example, click on “Verbatim-86DC”, as shown in the screen below. The “86DC” part of the SSID is the last 4 characters of the device MAC Address.)



When “Verbatim-XXXX” is selected for the first time you will be prompted for the Wi-Fi password. **The default password is printed on the bottom label of your device.**

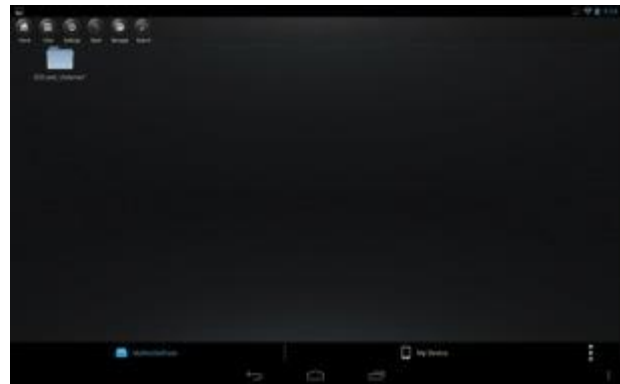


After the correct password is entered, the product will show as “Connected” in the list.

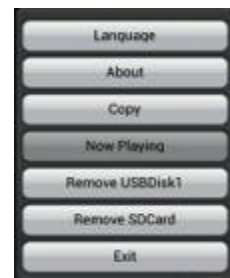
Launching the App

On your Android mobile device click on the “MediaShare” icon to launch the app.

The home screen is presented as below. The screen will show folders/files for the selected device (either MediaShare or smartphone/tablet). You can toggle between these two device views by clicking on “MyMediaShare” or “My Device”.



At the lower right you will find the 3-dot menu button. When selected, this menu presents the following options:



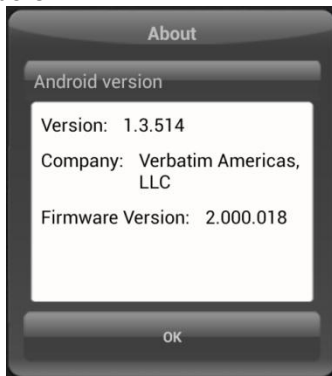
Language

The language normally defaults to that of your Android smartphone/tablet at the time of installation. If you later want to select a different language, you can make a selection from this menu. The following languages are supported.

- English
- Italian
- Spanish
- Croatian
- Hungarian
- Russian
- Traditional Chinese
- Simplified Chinese
- French
- German
- Portuguese
- Czeck
- Polish
- Serbian
- Korean

About

The About button lists the firmware and app version numbers:



Copy

Click the Copy button to view the file transfer status.

Now Playing

When songs are playing in the background, you can select the Now Playing button to see information about the current song.

Remove USBDisk1

A currently mounted USBDisk volume can be safely unmounted using the Remove USBDisk1 button.

Remove SDCard

A currently mounted SDCard volume can be safely unmounted using the Remove SDCard button.

Exit

Pressing the Exit button is one way to close the app.

Basic Functionality

The action buttons for MyMediaShare can be found at the top of the screen and are listed below.



Home Button – back to the main screen.



View Button - change to List or Thumbnail view.



Settings Button – change the MediaShare configuration.



Back Button – back to previous screen



Manage Button – file manager to share, copy, delete, and transfer files



Search Box – to search for a specific file name and/or extension.



3-dot Menu Button – to view the menu list for the following selections: About, Language, Copy, Now Playing, Remove USBDisk1, Remove SDCard, Exit.

Playing Music



Tip: We recommend that you create a folder or folders for saving all your music files for ease of use and file organization

Music or audio files can be played whether you are inside “MyMediaShare” or “My Device”. Simply locate the music or audio file that you would like to play. Click on the file and your music will automatically play.



Note: Please consult your Android mobile device manual to check whether it will support the music/audio files that you would like to play

Use the following icons to control music playback:



When clicked, the current music that is playing will restart at 0.00. When double-clicked, it will play the previous music.



When clicked, it will play the next music file.



When clicked, it will start playing the music or audio file.








When clicked, the will pause/stop playing the music.


There are five play modes:



1. Repeat all songs: the music or audio files will be played in sequence, and it will only stop playing when the pause button is clicked. (Default Mode)

2.  Play current song: the current music that is playing will be stopped, and playing progress will return back to 0.00.
3.  Repeat current song: the player will always play the current song, and it will only stop playing when the pause button is clicked.
4.  Shuffle all songs: the music or audio files will be played randomly.
5.  Play current list: the music or audio files will be played sequentially.


 **Tip:** You can click and hold then slide music progress button to fast-forward or rewind the music

 **Tip:** You can exit Music Player Interface at any time and the music will continue to play in the background

Playing Video

 **Tip:** We recommend that you create a folder or folders for saving all your movie files for ease of use and file organization

Movie or video files can be played whether you are in “MyMediaShare” or “My Device”. Simply locate the movie or video file that you would like to play. Click on the file and the list of installed movie players will appear.

 **Note:** Please consult your Android mobile device manual and video player application manual for supported video encoding methods and file types, and for a description of the player control panel

The player control panel will vary depending on the installed movie player you have selected.

Playback performance depends on your Android device, your selected video player, your player’s settings, the data rate of your encoded video file, the strength of your Wi-Fi connection, and the number of simultaneous users. If the video plays, but momentarily freezes on

playback, then you can try these steps to improve video playback performance:

- 1) Copy the video file to your smartphone/tablet and initiate playback from the smartphone/tablet.
- 2) Reduce the number of simultaneous streaming users.
- 3) Re-encode the video file to a lower data rate and/or use a different encoder.
- 4) Select or install a different video player.
- 5) Check the settings of your video player.

Viewing Photos


 **Tip:** We recommend that you create a folder or folders for saving all your pictures for ease of use and file organization


 **Note:** MediaShare Wireless currently supports .jpg, .tif, .gif and .bmp image files.


The supported images can be viewed as thumbnails or as a filename list. Any images that are not supported can be viewed as a generic thumbnail or icon.

Click on a picture thumbnail or picture filename to open and view it. Click on the displayed picture to access action buttons at the top of the screen as shown here:



 Click the Play button to initiate a slide show, which will slowly cycle through every picture in the current folder.

 Click the Pause button to pause the slide show. Click again to resume the slide show.

 Click the Repeat button to restart or to replay the slide show.



Click the Music button to select and play background music with your displayed picture or slide show.



Click the Back button to return to the previous screen.

Sharing Photos

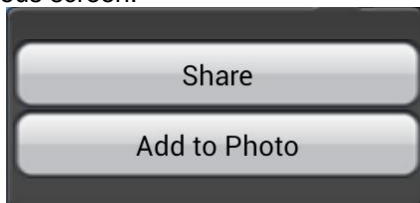
Sharing photos using your Android device will vary depending on the apps installed on your device.



Note: Internet connection is required to share photos via email or accessing any social media network





Click on the Share button located at the top right of the screen to show the options available to share your photos. Click the return button to return to the previous screen.



Viewing Documents

To open/view a document using your Android device, simply click on the file that you wish to open/view. This will automatically open the file using the default viewer or the installed app on your Android device.

Manage Mode

You may click on the Manage button  at any time to enter the File Manage mode to share, copy, delete, and transfer files. To exit the Manage mode click the Exit button .

To manage files on MediaShare, enter Manage mode from "MyMediaShare".

To manage files on your smartphone/tablet, enter

Manage mode from "My Device".

Copy and Delete Functions

Once in Manage Mode you will see new icons at the bottom of the screen. See below for their functions.



Click the Select All button to select all files. A blue check mark will appear on every file. Click again to deselect all files.



Tip: you may select a single file or multiple files by clicking on the thumbnail. Also, you may click and hold the thumbnail and drag it to a lower icon to copy or delete a file or files



Copy Files or Folders. When entering Manage Mode from MyMediaShare, the copy function will copy a file **from** MediaShare **to** the smartphone/tablet. The copy icon contains a downward arrow.



Copy Files or Folders. When entering Manage Mode from My Device, the copy function will copy a file **from** your smartphone/tablet **to** MediaShare. The copy icon contains an upward arrow.

When copying files, you need to define the destination folder. A new folder may be created if desired. To create a new folder, simply click on the "New Folder" button. Enter the new folder name and click the "Create" button. The folder name can be from 2 to 26 characters.



You may click on the Status icon to see the list of files that are in queue for transfer, as well as the list of files that have already been copied successfully.



To delete all selected files, click on the trash icon.



Note: Successfully copied/transferred files will be listed in the "recent" window. Click "Clear" to remove the history

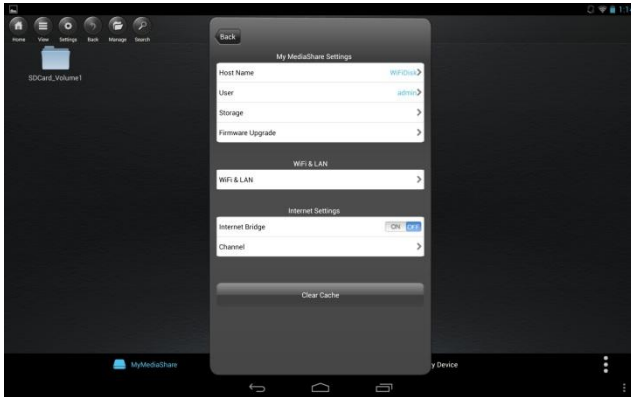


3-dot Menu Button. You may also click on the on the Copy button of the main screen 3-dot menu to check on the status.

Settings Menu



From within MyMediaShare, you may access various configuration operations by clicking on the Settings icon.



MyMediaShare Settings

Host Name

<Reserved for future functionality.>

User

<Reserved for future functionality.>

Storage

You may attach an SD memory card or a USB storage device to MediaShare to serve as local storage. Click on "Storage" to view the type, size, and remaining available storage for each installed memory device.

Firmware Upgrade

Please visit the Verbatim support web site periodically to see if a new firmware file is posted for this product. If a new firmware file is available you may download it and install it as follows:



Note: Before attempting a Firmware Upgrade, ensure that the batteries of your MediaShare Wireless and smartphone/tablet are fully charged

- 1) Save the new file to the root directory of an SD memory card or USB storage device.
- 2) Attach the above storage device to your MediaShare and then power up MediaShare.
- 3) Establish a wireless connection between your smartphone/tablet and MediaShare.
- 4) Open the MediaShare app and navigate to the Settings screen.
- 5) Click "Firmware Upgrade". The new firmware file will be installed. As your MediaShare reboots you will temporarily lose Wi-Fi connection to your smartphone/tablet.

Wi-Fi and LAN Settings

Device Name

To change your device name (SSID) from the default name of "Verbatim-XXXX", enter a new name in the

dialogue box provided. Characters may be any combination of letters and numbers, up to a maximum length of 32.

Security Options

The factory default setting for wireless security is Mixed WPA/WPA2-PSK. The unique default password is printed on the bottom label of the product. With this dialogue you may change the password, or alternatively set the wireless security to WPA-PSK, WPA2-PSK, or to Disabled (ie. no password required).

The password must be at least 8 characters, but no more than 63 characters.

If you change the password, and later forget your new password, you can return to the factory security setting by performing a reset using the side panel reset button.

Mode

The factory default setting for wireless communication mode is 802.11b/g/n. With this dialogue you may alternatively set the communication mode to 802.11b, 802.11g, or 802.11n.

LAN

This dialogue will display the fixed MAC address of the product. Alternatively, you may view or change the current IP address and Subnet Mask.

Internet Settings

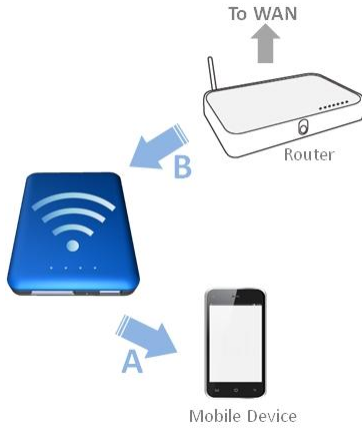
This product's normal operation requires only a single wireless connection between your Android smartphone/tablet and MediaShare. To make this connection, MediaShare defines the Wi-Fi channel to use (from 1-11). The factory default setting for channel selection is "auto", which allows MediaShare to automatically choose the best channel based on current environment channel clarity. The connection is sketched below as connection "A".



However, in this mode, if you later want to browse the internet with your smartphone/tablet, you must break the "A" connection and instead connect your smartphone/tablet with an available router.

As a convenience, this situation can be avoided by enabling the bridge function on MediaShare. In the internet bridge mode, sketched below, you may keep a connection to the smartphone/tablet, plus allow the tablet/smartphone to reach the internet (albeit at limited connection speeds). In this mode, the Router now defines the Wi-Fi channel, and two Wi-Fi connections

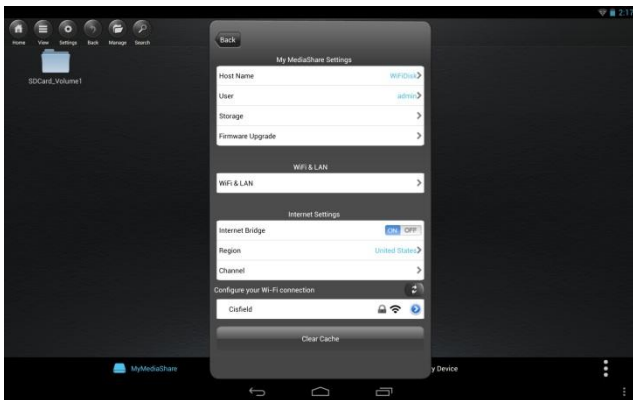
are established (“A” and “B”) using this same channel number.



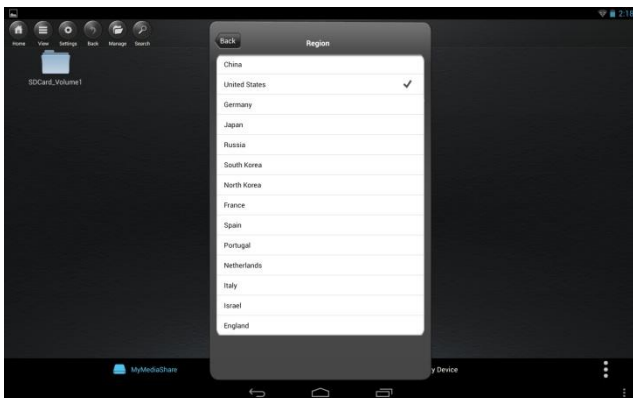
Because the Router is making the channel selection, and because different geographic regions use different channel ranges, MediaShare must further know your Region whenever the internet bridge feature is enabled.

Internet Bridge

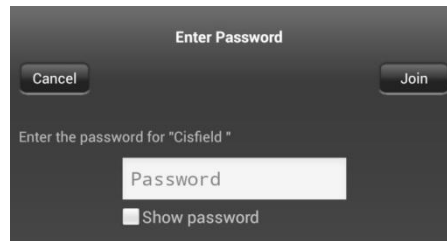
The Internet Bridge feature is disabled by default. To enable the bridge, click “On”, confirm the Region setting, and then select your available router.



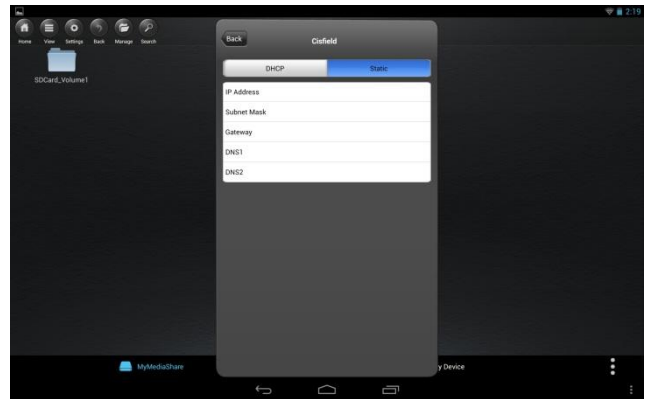
A different range of Wi-Fi channels is supported by different geographical regions. If your region is not listed, choose a region with the same channel range as your own.



If your router requires a password, enter it to join the network.



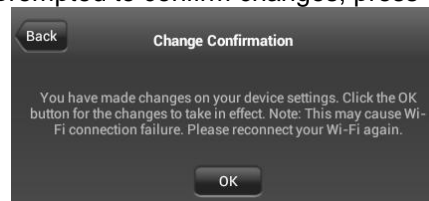
Connecting to your router may also require setting DHCP versus Static IP. If Static IP, then please enter IP Address, Subnet Mask, Gateway, and DNS settings.



Once the Internet Bridge function is active you will see a check mark next to the router name in Settings and the green Internet LED on MediaShare will be ON.



Press the Back button to exit the Settings menu. If you are prompted to confirm changes, press OK.



Channel

If Internet Bridge is disabled, then you may optionally set the Wi-Fi channel number from 1-11. The default selection is “auto”, which allows MediaShare to choose a channel with the best signal quality.

If the Internet Bridge is enabled, then MediaShare will use the channel set by the router.

Clear Cache Button

Click the Clear Cache button to clear the SSID cache files that have been saved during prior sessions or from third party applications.

Exiting the MediaShare App

To exit the MediaShare app on Android devices, simply

press the Home key on your mobile device.

Uninstalling the MediaShare App

If in the future you decided to uninstall the MediaShare app from your smartphone/tablet just follow these steps. From the Android desktop select Settings



Then select "Apps". Locate and click on the MediaShare app in the list of installed apps, and then click "Uninstall".

Getting Help

If you are experiencing difficulty installing or using your Verbatim product, please visit the main Technical Support website at verbatim.com/support.

Limited Warranty Terms

Verbatim offers to the original owner a 2-year limited warranty. For warranty terms that apply in your region, visit verbatim.com/warranty.

FCC Compliance

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 installation. 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 equipment 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 equipment 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 equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

Caution!

The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user authority to operate the equipment.

CE Compliance Declaration

This device complies with the essential protection requirements of the Radio and Telecommunications Terminal Equipment Directive 1999/5/EC and its amendments on the approximation of the laws of the Member States relating to wireless radio equipment and electrical safety.

EN 300 328 V1.7.1 : 2006
 EN 301 489-1 V1.9.2 : 2011
 EN 301 489-17 V2.2.1 : 2012
 EN 55022 : 2010
 EN 55024 : 2010
 EN 62479 : 2010
 EN 60950-1 : 2006+ A11 : 2009 + A1 : 2010 + A12 : 2011

Canada IC RSS-210:2010

This device complies with Industry Canada license-exempt RSS standards. Operation is subject to the following two conditions:

- 1) This device may not cause interference; and
- 2) This device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

- 1) L'appareil ne doit pas produire de brouillage; et
- 2) L'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

WEEE Notice



The Directive on Waste Electrical and Electronic Equipment (WEEE), which entered into force as European law on 13th February 2003, resulted in a major change in the treatment of electrical equipment at end-of-life. The WEEE logo (shown at the left) on the product or on its box indicates that this product must not be disposed of or dumped with your other household waste. For more information about electronic and electrical waste equipment disposal, recovery, and collection points, please contact your local municipal household waste disposal service or shop from where you purchased the equipment.

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The embedded firmware for this product is provided under the terms of the Gnu General Public License.

Licensing Information

The Verbatim MediaShare Wireless includes copyrighted third-party software licensed under the terms of the GNU General Public License. Please see The GNU General Public License for the exact terms and conditions of this license.

Item	Name	Package(Version)	Note
Bootloader	U-Boot	U-Boot 1.1.3	GPL v2 or later
Kernel	Linux	linux-2.6.21	GPL v2 or later
Library			
	uClibc	uClibc-0.9.28	(LGPL) version 2 or later
	ldso	ld-uClibc-0.9.28.so	GPL
	libm	libm-0.9.28.so	FreeBSD
	libnsl	libnsl-0.9.28.so	GPL
	libpcap-1.0.0	libpcap-1.0.0	GPL
	libpthread	libpthread-0.9.28.so	GPL
	libiconv	libiconv-1.13.1	GPL
	libevent	libevent-2.0.10-stable	GPL
	libutil	libutil-0.9.28.so	GPL
	libz	zlib-1.2.3	Zlib(Distributable)
	libsqlite3.so.0	sqlite-autoconf-3071300	GPL
Application			
	busybox	BusyBox v1.12.1	GPL v2 or later
	ntp	ntp-4.2.4p2	GPL v2
	ntplib	ntplib	GPL v2
	parted	parted-3.0	GPL
	samba	samba-3.0.24	GPL
	lighttpd	lighttpd-1.4.28	GPL
	apache	Apache2.2.22	GPL
	hdparm	hdparm v7.7	BSD
	mtd-utils	mtd-utils-1.3.1	GPL
	ntfs-3g	ntfs-3g_ntfsprogs-2012.1.15	GPL
	ez-ipupdate	ez-ipupdate-3.0.10	(distributable)
	udev	udev-125ps	GPL
	wireless_tools	V29	GPL
	bridge-utils	2006-01-31	GPL
	pcre	7.9	BSD
	arptable	arptable-0.0.3	GPL
	dhcpforwarder	2004-08-19	Internet Systems
	ethtool	Ethtool V6	GPL
	expat	expat-2.0.1	MIT/X Consortium License
	igmpproxy	igmpproxy0.1 beta2	GPL
	inadyn	inadynVersion 1.96	GPL
	iproute2	iproute2-2.6.24-rc7	GPL
	iptables	iptables-1.3.5	GPL
	acl	acl-2.2.49	GPL
	mii_mgr	mii_mgr	GPL
	mtd_write	mtd_write	GPL

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