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Product Overview

The Verbatim portable MediaShare Wireless Mini device allows you to use microSD memory cards as Wi-Fi accessible media. Simply insert your microSD memory card into the microSD slot. 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 and to your personal computers. There is no need to worry about running out of space on your mobile devices.

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

Product Features

- Supports microSDXC, microSDHC and microSD memory cards up to 128GB.
- Stream media to up to 5 Wi-Fi-connected users simultaneously*
- Access and stream your music, videos, photos and data from an microSD memory card using the free custom mobile app supporting iOS and Android operating systems
- Built-in USB plug for charging and data transfer function
- Use as a hub to transfer content between different wireless devices
- Up to 3 hours of continuous battery life**
- Search function to locate and access your files
- Internet access capability via wireless, supporting 802.11 b/g/n protocol
- Support multiple platform client tools, including iPad/iPhone/Android/PC/Macintosh
- Supports Chromecast
- Supports Airplay (iOS devices only)

* 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. The device will automatically mount on your desktop or in "My Computer". In this mode the battery of the MediaShare Wireless Mini will charge, and you can transfer files between your computer and an installed microSD memory card.
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 a microSD card.

3. Wireless WAN Bridge mode. After enabling the Internet Bridge feature, wirelessly connect MediaShare Wireless Mini to your existing wireless router to have internet access.

Product Specifications

Product Dimensions:
79mm X 29mm X 15mm

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 Plug: For data transfer and charging

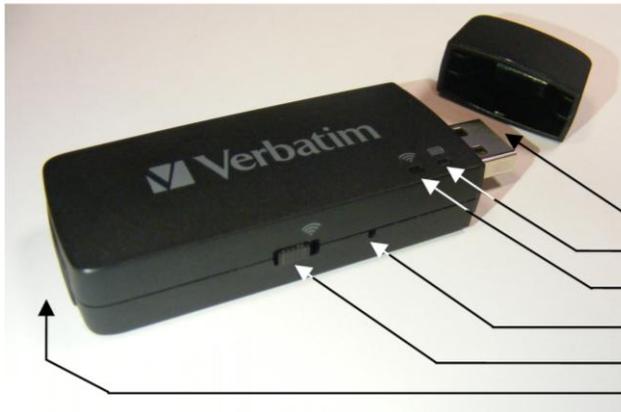
Battery:
740 mAh capacity
Charges via USB plug
Charging time 2 hours (typical)

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 Mini app (available for free download from the iTunes app store and Google Play store)
- Requires attached microSD card (Class 4 or higher) (1GB minimum)
- 200MB available storage on your installed microSD card reserved for system functions and therefore not available for user data.
- iPad, iPhone or iPod Touch running iOS 7.0 or higher, smartphone or tablet running Android 4.0 or higher, PC running Windows, Apple OS X or Linux .

Product View



① USB Plug

Use this to connect to a computer via USB port in order to charge the internal battery and/or to transfer content to and from the microSD card. You can also connect directly to the USB port of your smart phone or tablet charger.

② Battery Level LED

- Green ON: The battery is charging.
- Red ON: The battery power is between 10% and 30%.
- Green Slow Flash (every 1.5 seconds): The device is shutting down.

③ Wi-Fi LED

Blue LED shows the Wi-Fi connection state.

- Flashing indicates that initiation is in process.
- ON indicates Wi-Fi initiation has completed.

Green LED indicates that Wi-Fi is bridging to another network (e.g. home or work)

④ Reset Button

Reset the device to Factory Default configuration. Use a straightened paper clip or pin to activate the switch. Any changes made to default system settings such as passwords, SSID, bridged Wireless LAN settings will be lost.

⑤ Power/Mode Switch

Turns the device on or changes to USB Card Reader mode.

⑥ microSD Card Slot

Insert microSD card for Wi-Fi access.

Installing microSD memory Card

MediaShare contains no internal storage. You must insert a microSD Card before you are able to use MediaShare with your smartphone or tablet.

Locate the microSD memory card slot. Insert the memory card. Gently push the memory card all the way in until it locks into its place. Close the protective cover.

Once your microSD Card is inserted, 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 microSD Memory Card, make sure MediaShare Wireless is turned off.

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

Using Mobile Devices

Installing the App

Power on your iOS or Android device (smart phone or tablet) and insure that it is connected to the Internet. Click on the “App Store” or “Play Store” icon on the desktop to access your device’s app store.

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



Charging MediaShare

Connect the MediaShare Wireless Mini to a powered USB port or USB charger in order to charge the built in battery. It may take up to 3 hours to fully charge the battery.

Wirelessly connecting your Device

1. Turn-on MediaShare Wireless Mini 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.

3. Click on “Wi-Fi”. Inside the available networks list, the network name “Verbatim-XXXX” should appear on the list. (XXXX represents the last 4 characters of the unique MAC address of your MediaShare Wireless Mini).

When “Verbatim-XXXX” is selected for the first time you will be prompted for the Wi-Fi password. **The default password is verbatim .**

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

Launching the App

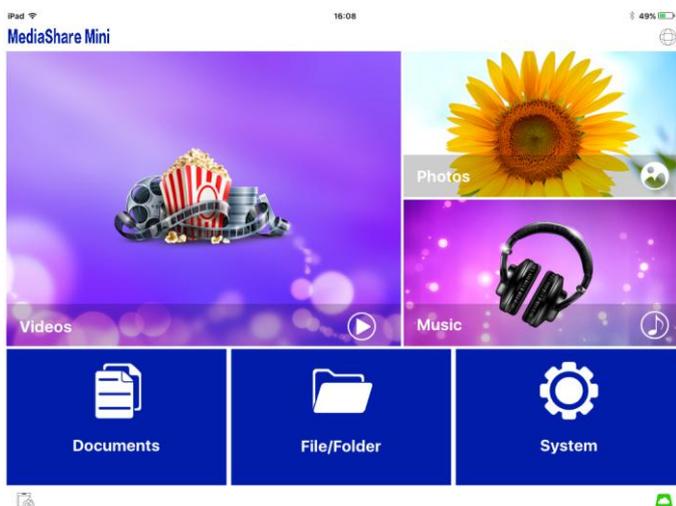
On your wireless device click on the “MediaShare” icon to launch the app.

The first time that you access the MediaShare Wireless Mini on a tablet or smartphone you will be presented with the screen below.



The default admin password is empty so just press “OK” (To add a password please see page 9). *Later in the manual you will find a description of the “Guest Mode” option.*

The home screen is presented as below.



The image shows a landscape representation which is the default layout for a tablet, the default layout on a smartphone will be in portrait mode.

The functionality is identical.

Shared Folders

If not already present on your microSD card the MediaShare Wireless Mini will create the following folder and sub-folders by default:-
Share/Documents
Share/Music
Share/Pictures
Share/Videos

By clicking on the corresponding area you access one of the four sub-folders directly.



Manually access folders on microSD card or local device and search for content.



Modify settings for Language, Wi-Fi & Network, Passwords, Guest Account.



Green colour indicates that connection to the internet via network bridge has been made. See page 10 for settings.



Green colour indicates that connection to the MediaShare Wireless Mini has been made. Tap on icon to initiate connection.



Tap this icon to open commence mobile device backup. See page 7 for further details.



Tap this icon to return to the home screen whenever you see it on your display.



Tap this icon to return to go back one step from a sub menu to main menu.

Language

The language normally defaults to that of your smartphone or tablet at the time of installation. If this has not happened and you want to select a different language, you can make a selection from the Language Settings found under the System menu. The following languages are supported.

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

Playing Videos

Navigate to your video content either by selecting the shortcut to the shared folder on your microSD card or local device as here or via the folder view as below



The device that is highlighted in blue is the currently active device. On Android devices the tablet or smartphone is named “Local”. Simply tap on the device you wish to access to change.

Top 25



As you access content you will find that the Top 25 list becomes populated. If you wish to remove any files from this list simply tap on the red X icon on the right side of the file name.

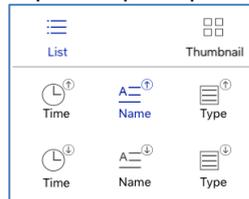
My Favourites

In the default All Files view you can see a heart icon displayed to the right side of the file name. If you wish to add any file to the “My Favourites” list simply tap the icon, it will change to a solid blue.

File Sorting

On the right side of the screen you will see this icon

Tap it to open up the file sort options.



File list or thumbnail view.

Sort by Time, File Name or File Type in Ascending or Descending order.

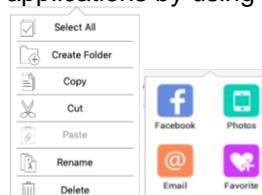
(On iOS devices “Local Content” sort options are limited to File list or Thumbnail view)

Folder View

Within the folder view you can navigate the various folders and files saved onto your microSD card or local device.



Once you have selected an individual file (or files) you can use copy and paste or share to other applications by using or icons.



The actual applications offered under will be

dependent on installed applications on your device.

Playback performance depends on 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:

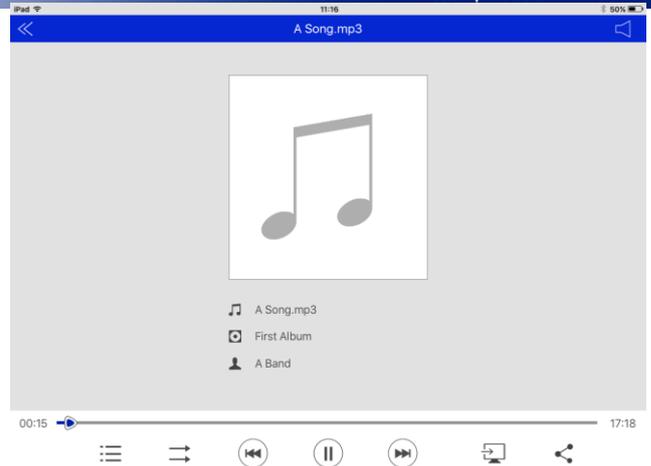
- 1) Copy the video file to your smartphone/tablet and initiate playback from the smartphone/tablet.
- 2) Reduce the number of simultaneous streaming users.
- 3) Re-encode the video file to a lower data rate.

By default, the video playback is in the landscape mode.

Some video file formats may not be directly supported by the MediaShare Wireless Mini app, Android users can chose to setup compatible third party players on their devices. For iOS device users the MediaShare Wireless Mini can automatically launch one of a number of popular third party apps. Please see page 10 for details.

Playing Music

You can navigate to your music in the same way as described previously for accessing videos – either directly to photos saved to the shared folder or by via the folder view.

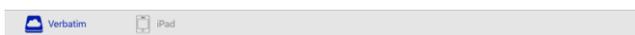


If album artwork is stored with the music content it will be displayed along with title, artist and album information.

- When tapped, the current track that is playing will restart at 0.00. When double-tapped, it will play the previous track.
- When tapped, it will play the next music file.
- When tapped, it will start playing the music or audio file.
- When tapped, the will pause/stop playing the music.

There are four play modes:

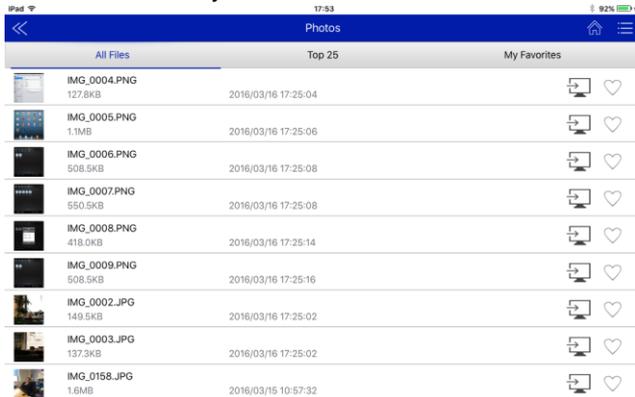
1. Plays current list: the music or the audio files will be played sequentially.
2. Repeat all songs: the music or the audio files will be played in sequence, and it will only stop playing when the pause button is tapped
3. Repeat current song: the player will always play the current song, and it will only stop playing when the pause button is tapped.
4. Shuffle all songs: the music or the audio files will be played randomly.



Select a track to play

Viewing Photos

You can navigate to your photos in the same way as described previously for accessing music and videos – either directly to photos saved to the shared folder or by via the folder view.



If you navigate via the shared Photos folder you can choose to view All Files, the Top 25 or those selected as “My Favourites”.

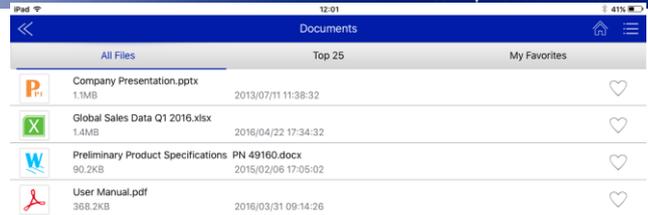
If you run a slideshow by tapping it will show each picture for 4 seconds before moving to the next image in the list. You can sort your photos as with videos and this will affect the play order of your slideshow. The slideshow will stop once the last photo in the list has been shown, you can tap to change mode to repeat and is displayed.

If you are playing music files before viewing photographs the playback will continue unless you press , tap the screen if the control icons are not visible. You can resume playback of music by tapping .

Accessing Documents

The MediaShare Wireless Mini app supports keynote, numbers, page, Excel, Word, Power Point Acrobat, and plain text files. It may be possible to read other file types with 3rd party software.

You can navigate to your documents in the same way as described previously for accessing photos, music and videos – either directly to documents saved to the shared folder or by via the folder view.



To open or view any documents, simply click on the file. This will automatically open the supported file.

Tapping the screen while viewing a document will present you with the icon to return to the previous menu or icon to open up sharing options as described previously.

Device Backup

You can simply and easily perform a backup of certain data from your mobile device to the microSD card contained within the MediaShare Wireless Mini.

Press on the home screen to open the Backup Dialogue. You can choose to backup photos and videos or contacts to the microSD card.

When prompted you must allow access to your contacts and photos by the MediaShare Wireless Mini app.

Photos and Videos



Select Phone Backup – this will start the process of backing up photos and videos from the default location of your device, Camera Roll (iOS) or Camera (Android). Separate backup folders will be created for Pictures and Videos that are backed up, additionally within these folders a folder will be created by each device that creates a backup on the microSD card.

Once the backup is complete you will receive a confirmation message.



Contacts



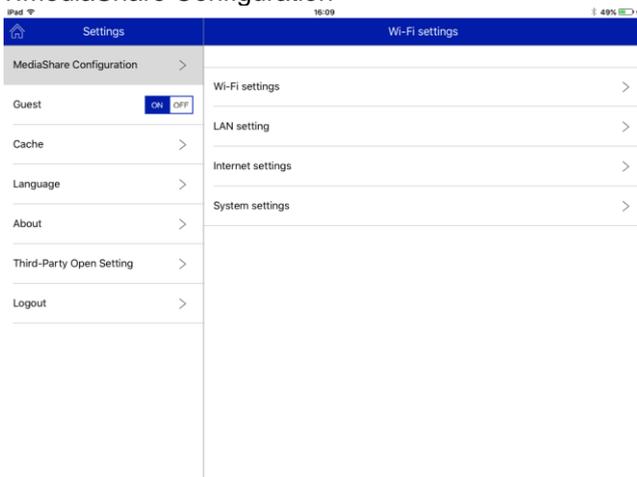
Select Start Backup and your contacts will be backed up, upon completion you will receive a confirmation indicating the name of the vCard file (.vcf) that was created.

You can restore (or transfer) any vCard file that has been backed up to your device by selecting Restore Backup. You will be presented with a list of vCard files that are available for restoration, chose one and once transferred you will receive a confirmation message.

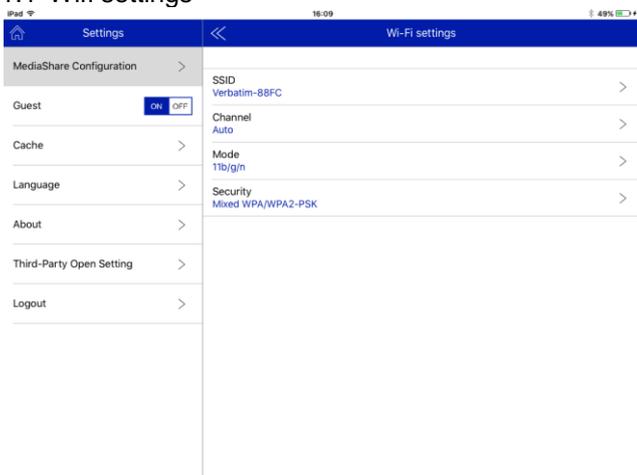
Settings Menu

From within the MediaShare Wireless Mini app, you may access various configuration operations by clicking on the Settings icon. You must be connected wireless to the device in order for all settings to be accessible.

1. MediaShare Configuration



1.1 Wifi settings



In this menu & sub menus you can change the settings for:

SSID

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.

Wireless Broadcast Channel

Select the correct geographic location for you. You can then see the Wireless Broadcast channels allocated to that region. If you are familiar with the channels occupied in your locality you may wish to specify a particular channel to use, otherwise select Auto channel option.

Mode

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

Security Options

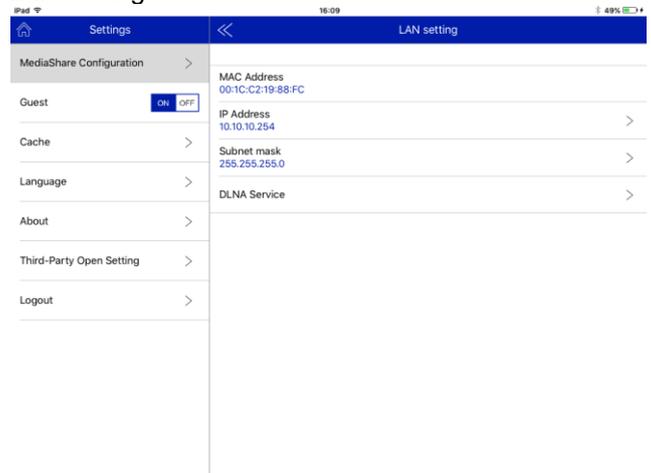
The factory default setting for wireless security is Mixed WPA/WPA2-PSK. The default password is "verbatim". With this dialogue you may change the password, or alternatively set the wireless security to WPA-PSK, WPA2-PSK, or to Disabled (i.e. no password required).

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.

It is important to scroll to the bottom of each list of options where you have made a change and chose to save the configuration

1.2 LAN setting



This setting will display the fixed MAC address of the product.

IP Address

You may view or change the current IP

Subnet Mask

You can change the subnet mask settings.

Media Service

You can alter the settings for media server.

You can disable the server, change the device name offered to clients of the server and change the location of the shared content folders.

1.3 Internet Settings

This product's normal operation requires only a single

wireless connection between your smartphone / tablet and MediaShare Wireless Mini. To make this connection, MediaShare Wireless Mini defines the Wi-Fi channel to use (from 1-11). The factory default setting for channel selection is “auto”, which allows MediaShare Wireless Mini to automatically choose the best channel based on current environment channel clarity. The connection is sketched below as connection “A”.



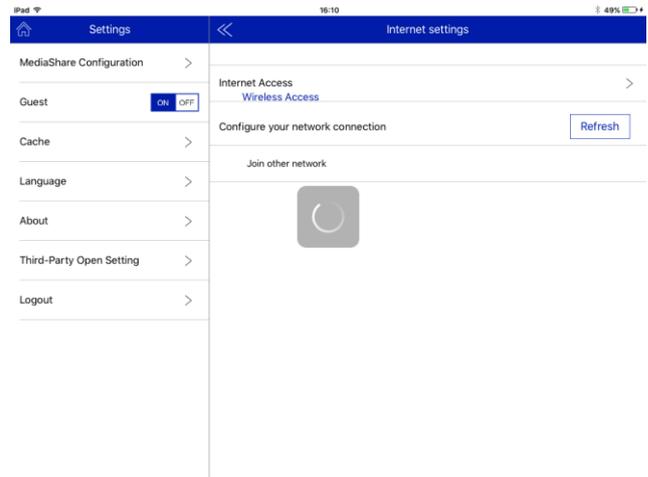
However, in this mode, if you later want to browse the internet with your smartphone/tablet, you must break the “A” connection and instead connect your smartphone/tablet with an available router.

As a convenience, this situation can be avoided by enabling the bridge function on MediaShare Wireless Mini. 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.

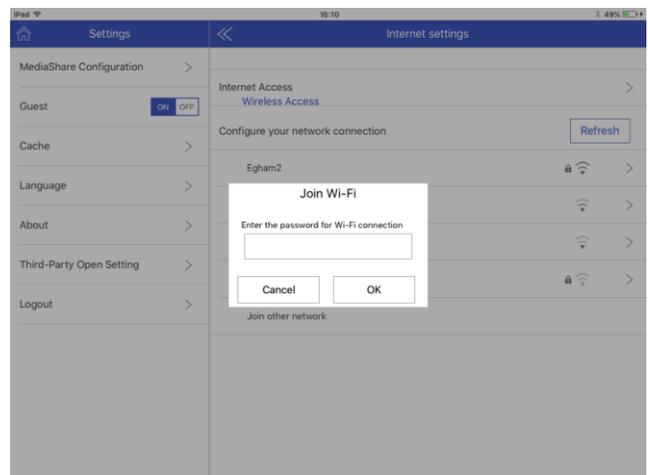


Because the Router is making the channel selection, and because different geographic regions use different channel ranges, MediaShare Wireless Mini must further know your Region whenever the internet bridge feature is enabled.

Configure Your Network connection



Tap Refresh button so that your MediaShare Wireless Mini can scan for available wireless networks to join. If your router requires a password, enter it to join the network.



A tick will be shown beside the name of the network upon successful connection.

If you cannot see your network listed or you use a hidden SSID then select “Join other network”. You will need to enter the network name, select the correct wireless security protocols and enter the wireless network password. Once enter tap “Join Wi-Fi”

Optional Settings:-

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.

1.4 System Settings

User

You may define a password for “admin” and “guest” users.

(Default password for both is blank)

Host Name

You may change the name of the device that is shown to other network devices.

(Default is MediaShr)

Disk Information

Displays total and available storage space on your microSD card.

Firmware Update

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 and smartphone/ tablet are fully charged.

- 1) Save the new file to the root directory of a microSD memory card.
- 2) Insert the microSD card into your MediaShare Wireless Mini and then turn it on.
- 3) Connect your smartphone/tablet to MediaShare.
- 4) Open the MediaShare app and navigate to the Settings screen.
- 5) Click "Firmware Upgrade". The new firmware file will be installed. You will see a display informing you of the progress and that a re-boot will take place upon completion. As your MediaShare reboots you will lose Wi-Fi connection to your smartphone/tablet and you will need to reconnect

2. Guest Mode

Enable or disable guest mode access. A guest user can only access content stored within the shared folders and cannot access the settings of the MediaShare Wireless Mini.

3. Cache

You can choose the size of the memory on your microSD card that is allocated for system functions. The default size is 512Mbytes.

If you experience buffering while playing high definition video files you may benefit by increasing the size of the cache.

4. Language

Here you can select from a wide number of languages, simply select your chosen language and you will notice all menu options are now listed in that language. Each device that accesses the MediaShare Wireless Mini can be programmed to utilize a different language.

5. About

Here you can see information relating to the version of firmware and application that are being used. (Should you ever need support for this product this information will assist in fault finding).

6. Third-Party Open Setting (iOS only)

Here you can choose which of the following players (if installed) will open video formats not supported by standard iOS video player :-

- VLC
- OPlayer
- GoodPlayer
- OPlayer Lite
- AcePlayer

7. Logout

Disconnects the MediaShare Wireless Mini from your tablet / smartphone.

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 V1.9.1 : 2015
EN 301 489-1 V1.9.2 : 2011
EN 301 489-17 V2.2.1 : 2012
EN 62311: 2008
EN 60950-1 : 2006+ A11 : 2009 + A1 : 2010 + A12 : 2011

The year of affixing of **CE** mark on the appliance: 2016
This declaration is the responsibility of the manufacturer:

Verbatim Limited, Prestige House, 23-26 High Street, Egham, Surrey, TW20 9DU, UK

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.

Rights

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Open Source Software Information

This product includes Open Source Software (OSS).

Name and license of each OSS are shown below.

| Modules Name | Version | License |
|----------------------------------|-----------|---|
| U-Boot | 1.1.3 | GPL v2.0 |
| Linux | 2.6.36 | GPL v2.0 |
| busybox | 1.12.1 | GPL v2.0 |
| mtd_write | na | GPL v2.0 |
| ez-ipupdate | 3.0.10 | GPL v2.0 |
| udev | 125 | GPL v2.0 |
| wireless_tools | 29 | GPL v2.0 |
| igmpproxy | 0.1 beta2 | GPL v2.0 |
| inadyn | 1.96 | GPL v2.0 |
| ReadyMedia (previously MiniDLNA) | 1.1.0 | GPL v2.0 |
| libid3tag | 0.15.1b | GPL v2.0 |
| iptables | 1.4.10 | GPL v2.0 |
| acl | 2.2.49 | GPL v2.0 |
| e2fsprogs | 1.39 | GPL v2.0 |
| ntpclient | na | GPL v2.0 |
| samba | 3.0.24 | GPL v2.0 |
| libiconv | 1.13.1 | GPL v3.0 |
| parted | 3.0 | GPL v3.0 |
| procps | 3.2.7 | GPL v2.0 / LGPL v2.1 |
| uclibc | 0.9.28 | LGPL v2.0 |
| attr | 2.4.46 | LGPL v2.1 |
| libexif | 0.6.20 | LGPL v2.1 |
| hdparm | 7.7 | BSD-Style Open Source License |
| lighttpd | 1.4.28 | BSD 3-Clause |
| pcre | 8.11 | BSD 3-Clause |
| libpng | 1.2.44 | libpng License |
| libogg | 1.3.0 | BSD 3-Clause |
| libz | 1.2.3 | zlib |
| tiff | 4.0.3 | Other Open Source License |
| pppd | 2.4.2 | BSD-Style Open Source License / Public domain |
| sqlite3 | 3.7.13 | Public domain |

A copy of the GPL Version 2 license is provided in Appendix A.
A copy of the GPL Version 3 license is provided in Appendix B.

A copy of the LGPL Version 2 license is provided in Appendix C.
A copy of the LGPL Version 2.1 license is provided in Appendix D.
A copy of the LGPL Version 3 license is provided in Appendix E.

=====
Package: U-Boot
=====

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// procps utility to display free memory information

//

// All new, Robert Love <rl@tech9.net> 18 Nov 2002

// Original by Brian Edmonds and Rafal Maszkowski 14 Dec 1992

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Written by: Philip Hazel

Email local part: ph10

Email domain: cam.ac.uk

University of Cambridge Computing Service,
Cambridge, England.

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

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Appendix E - LGPL Version 3 license
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