

Thank you for your purchase of this Magnasonic product.
Please read this user manual carefully before using
product to ensure proper use.
Keep this manual in a safe place for future reference.

CONTENTS

CAUTION.....	3
IMPORTANT SAFETY INSTRUCTIONS	3
FCC INFORMATION.....	5
LOCATION OF PARTS AND CONTROLS	6
SPECIFICATIONS	7
PROJECTOR COMPATIBILITY	8
OPERATING THE PROJECTOR.....	9
CHARGING WITH THE PROJECTOR.....	12
TROUBLESHOOTING.....	13
WARRANTY.....	14

CAUTION

WARNING:

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPARATUS TO RAIN OR MOISTURE

CAUTION:

TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



WARNING
RISK OF ELECTRIC SHOCK
DO NOT OPEN



The lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of uninsulated dangerous voltage within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

IMPORTANT SAFETY INSTRUCTIONS

All of the safety and operating instructions should be read, adhered to, and followed before the unit is used. Please save these instructions.

DANGER

To reduce the risk of electric shock, burns, fire or injury:

1. Do not use while bathing or in a shower.
2. Do not place or store unit where it can fall or be pulled into a tub or sink.
3. Do not place in, drop, or submerge into water or other liquids.
4. Do not reach for a unit that has fallen into water. Unplug it immediately.
5. Care should be taken so that objects and liquids are not dropped or spilled onto the unit.
6. Close supervision is necessary when this appliance product is used by or near children.
7. Use this unit only for its intended use as described in this manual.
8. Unplug this unit during lightning storms or when unused for long periods of time.
9. Never drop or insert an object into any opening.
10. Protect the adapter cord from being walked on or pinched, particularly at plug outlets, and the point where it exits the unit.

11. Do not allow adapter cord to touch hot surfaces. Wrap cord loosely around the unit when storing.
12. The unit should be situated away from direct sunlight or heat sources such as radiators, electric heaters, heat registers, stoves, or other units (including amplifiers) that produce heat. Avoid placing on top of stereo equipment that radiates heat.
13. Never block the air openings of the unit with materials such as clothing, plastic bags, or papers. Never place it on a soft surface such as a bed or couch where openings may be blocked.
14. Do not overload electrical outlets. Use only the power source as indicated.
15. Do not carry this unit by the cord or use the cord as a handle.
16. Never operate this unit if it has a damaged cord or plug, if it is not working properly, or if it has been dropped or damaged. If the unit's power supply cord or plug is damaged, do not attempt to fix it yourself.
17. To avoid the risk of electric shock, do not disassemble or attempt to repair the unit. Incorrect repair can cause risk of electric shock or injury to persons when unit is used.
18. Do not operate in the presence of explosive and/or flammable fumes.
19. Never remove the plug from the socket by pulling the power cord.

WARNING! This product contains a rechargeable battery.

- Do not store this product in high temperatures, damp areas, or in direct sunlight.
- Never disassemble the product.
- Never dispose of the product in fire or water, which may result in explosion and/or injury.
- Keep product out of reach of children. Do not touch product with damp hands.
- Dispose of the product properly.
- The product must not be discarded with ordinary household waste.
- Contact your local recycling center for proper disposal.

FCC INFORMATION

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.
2. This device must accept any interference received including interference that may cause undesired operation.

WARNING: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

CAUTION: To maintain compliance with the FCC's RF exposure guidelines, place the product at least 8 inches from nearby persons.

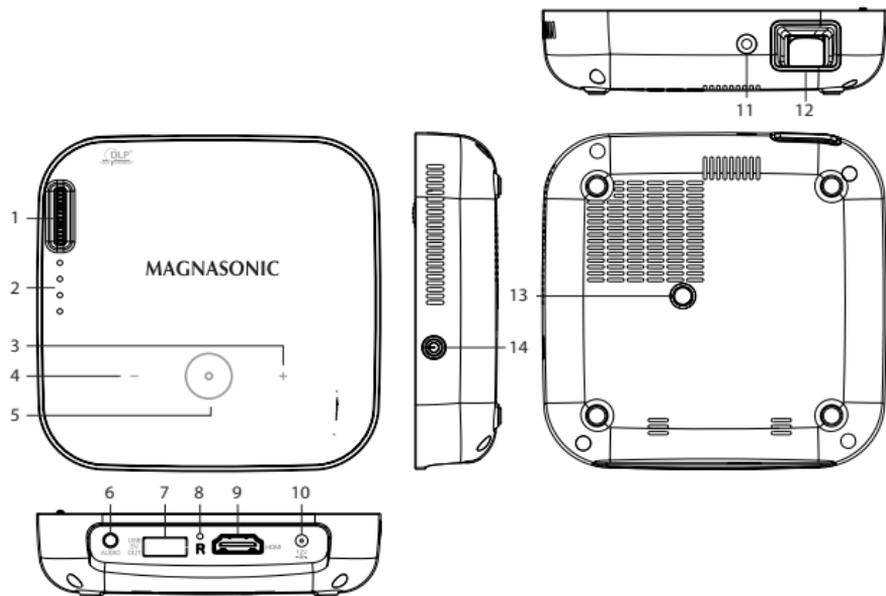
NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This unit generates, uses, and can radiate radio frequency energy and if not installed and used in accordance with the instructions, may cause harmful interference to try and 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 to 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.

Shielded cables must be used with this unit to ensure compliance with the Class B FCC limits.

CAUTION: The radiated output power of the Wi-Fi technology is below the FCC radio frequency exposure limits. Nevertheless, it is advised to use the wireless equipment in such a manner that the potential for human contact during normal operation is minimized.

LOCATION OF PARTS AND CONTROLS



- | | | | |
|----|--------------------------|-----|-----------------------|
| 1. | Focus wheel | 8. | Reset button |
| 2. | Battery indicator lights | 9. | HDMI compatible Input |
| 3. | Volume up control | 10. | DC input (12V/2A) |
| 4. | Volume down control | 11. | Ambient light sensor |
| 5. | Mode control | 12. | Lens |
| 6. | 3.5mm audio out | 13. | Tripod dock |
| 7. | USB out (5V/1A) | 14. | Power button |

SPECIFICATIONS

Product Dimensions	4.1 x 4.1 x 4.0 inches
Brightness	Up to 100 Lumens*
Lamp Life	LED lamp with up to 20,000 hours
Image Size	Up to 80 inches
Distance	3 feet to 10 feet
Throw Ratio	1:3
Contrast Ratio	400:1*
Native Resolution	854 x 480 (WVGA)
Aspect Ratio	16:9
Built-in Speaker	2 x 1-watt speakers
Power	DC 12V/2A
Auto Keystone	+/- 40 degrees auto vertical keystone correction
Battery	Li-polymer, 3800 mAh
Battery Life	Up to 1.5 hours**

*TI's DLP® IntelliBright™ technology dynamically adjusts the projector brightness range for each individual pixel based on image content and ambient room light level.

**Battery life will be reduced when using wireless mode.

PROJECTOR COMPATIBILITY

Compatible Device	Wireless Connection	Examples	Wired Connection	Examples
Android™ Devices	Devices that have Android™ OS 4.4 or later and wireless screen mirroring capability	Samsung Galaxy S® 6, Samsung Galaxy Note® 4, Samsung Galaxy Note® 3, Samsung Galaxy S® 5, Samsung Galaxy S® 4, Nexus 6P, HTC One A9, Huawei G8, LG G4	Not available	Not applicable
Apple® Devices	Not available	Not applicable	HDMI™ to HDMI™ cable (included) + Apple® lightning™ digital AV adapter (not included)	iPhone® 6 Plus, iPhone® 6, iPhone® 5, iPod® touch 4th gen, iPad® mini 1st gen, iPad® 4th gen
			HDMI™ to HDMI™ cable (included) + Apple® 30-pin digital AV adapter (not included)	iPhone® 4s, iPad® 3rd gen, iPad® 2nd gen, iPhone® 4, iPod® touch 2nd gen, iPad® 1st gen
			HDMI™ to HDMI™ cable (included) + Mini DisplayPort to HDMI™ Adapter (not included)	Macbook Air®, MacBook Pro®, iMac®
HDMI™ compatible devices	Not available	Not applicable	HDMI™ to HDMI™ cable (included)	Devices with standard HDMI™ ports - DVD/Blu Ray players, games consoles, laptops with HDMI™ port, computers, Apple®TV, Roku®, U-verse®
			HDMI™ to HDMI™ cable (included) + mini HDMI™ adapter (not included)	Laptops with mini HDMI™ ports, GoPro®
			HDMI™ to HDMI™ cable (included) + micro HDMI™ adapter (included)	Laptops with micro HDMI™ ports, Asus® VivoTab, Sony Vaio T®, Acer® Aspire S7, Lenovo® Twist, Toshiba® U845V, Acer® Aspire v5, Blackberry® Z10
			None Required	Google™ Chromecast, Roku® stick, other streaming media players that plug directly into an HDMI™ port

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OPERATING THE PROJECTOR

SETUP

The projector can be powered using the included AC adapter or the built-in battery.

- To power the projector with AC power, connect the AC adapter to the projector's DC input and plug the other end into an outlet. Once connected, the battery indicator lights will illuminate on the projector showing the amount of battery power remaining.
- To power the projector with the built-in battery, simply turn the projector on. To check the remaining battery life of the projector press the power button briefly.

IMPORTANT: Fully charge the battery before first use (approx. 4-5 hours).

CONNECT A SOURCE DEVICE

The projector can be connected to a variety of HDMI compatible devices via a wired connection and to some smartphones and tablets via a wireless connection.

IMPORTANT:

Before you power on the projector, please be sure to check that there is nothing blocking the ambient light sensor on the front of the projector (the location of this sensor can be seen on the Location and Parts diagram). Blocking this sensor may impact the Intellibrigt adjustments the projector makes which optimizes the projected image.

WIRED CONNECTION

1. To connect via a wired connection, plug in the HDMI compatible cable (included in the box) to the HDMI compatible port on the projector and to your device.

NOTE: Some devices may require an adapter to connect to your device. To determine what type of adapter you need to use, please reference the compatibility section of this manual on page 8.

2. Power on the projector by pressing and holding the power button for 3 seconds.
3. Allow the projector 15 to 30 seconds to fully start up, sync with your device, and make image adjustments.

NOTE: After syncing with the projector, you may see your device's screen being mirrored by the projector. Some devices may not have this ability, but they can still be used with the projector to project videos and photo slide shows.

4. Choose the media you would like to view from the menu on your device and play as you normally would.

WIRELESS CONNECTION

1. To connect wirelessly, power the projector on by pressing and holding the power button for 3 seconds.
2. Allow the projector 15 to 30 seconds to fully start up. The projector will automatically start in wired mode.
3. Change the projector to wireless mode by pressing the mode button. On screen, the projector will display wireless information on how to connect your Android device.

ANDROID DEVICES

1. Keep pressing the mode button until you see Screen Mirroring Mode.
2. From the quick menu on your Android device, launch screen mirroring (some devices have a Quick Connect button for this functionality).
3. Select the WProj-53a7bc projector from the device list.
4. Choose the media you would like to view from the menu on your device and play as you normally would.

UPDATING PROJECTOR FIRMWARE

NOTE: You will need to access to your Wi-Fi network for this process.

1. Connect the projector to a power adapter to ensure it does not turn off during the update due to low power.
2. Turn on the projector and press the mode button until you see the “Firmware Updating” screen displayed.
3. Scan the QR code to launch the update or open the internet browser on your device and type in 192.168.49.1 to access the “Make projector connect to WiFi AP” webpage shown below.
4. Click the Wi-Fi logo -> Scan -> Select your Wi-Fi -> Enter your Wi-Fi’s password -> Hit connect.



5. Once connected to Wi-Fi, your device will connect to the projector automatically. You will see your network's name on the "Firmware Updating" screen of the projector once connected.
6. On the projector's "Firmware Updating" screen, if it says "The current version is the latest version" at the bottom, you do not need any new updates.
7. If it indicates that a new version is available, it will update via OTA (over the air). This process will take approximately 10 minutes.
8. Once the update is complete, turn off the projector. Once you turn the projector back on, the new update will be complete and you can use as normal.

AUDIO

If desired, connect a speaker to the 3.5mm audio out jack. If no external speaker is connected, the projector's two internal 1-watt speakers will be used for audio.

ADJUSTING THE VOLUME

Touch the mode control area to activate the volume controls. Use the volume up and volume down control areas to adjust to the preferred volume level.

IMAGE ADJUSTMENTS

ADJUSTING THE FOCUS

Simply roll the focus wheel control forwards and backwards to fine-tune the projected image.

ADJUSTING THE VERTICAL KEYSTONE

The projector will automatically adjust the display screen to the best condition (+/- 40 degrees automatic vertical keystone correction).

ADJUSTING INTELLIBRIGHT

WHAT IS INTELLIBRIGHT?

TI'S DLP® IntelliBright™ Technology dynamically adjusts the projector brightness range for each individual pixel based on image content and the ambient room light level.

When the projector starts up IntelliBright™ will automatically optimize the projected image settings for the room environment.

CHARGING WITH THE PROJECTOR

The projector has one USB out jack which can be utilized to charge a variety of smart phones.

- Connect your device to fully-charged projector with a USB cable (not included).
- Your device's screen will let you know your device is charging and when it's fully charged.

TROUBLESHOOTING

Q. The projected image is blurry.

A. Adjust the focus wheel on the projector to fine-tune the picture. Also check that the surface you are projecting on is smooth.

Q. The projected image is too small.

A. Move the projector farther away from the projection surface.

Q. The projector is not projecting.

A. Here are several things to check if your projector is not projecting:

- If on battery power, check the battery life remaining by pressing the power button. If battery power is low, plug into AC power.
- If on AC power, check that the AC power is plugged into the correct port on the projector and the AC adapter is securely plugged into a powered outlet.
- If using a wired connection, check the compatibility section of this manual to ensure you are using any necessary adapters to connect your device. If an adapter is required, power down the projector, add the adapter, and then turn the projector back on. Also check with your device manufacturer to ensure your device supports video out.
- If using a wireless connection, check the compatibility section of this manual for instructions. Also check with your device manufacturer to ensure your device supports wireless screen mirroring.

WARRANTY

Thank you for choosing Magnasonic® Consumer Electronics Products! Magnasonic gives the following express warranty to the original consumer purchaser or gift recipient for this Magnasonic product, when shipped in its original container and sold or distributed by Magnasonic or by an Authorized Magnasonic Dealer: Magnasonic warrants that this product is free, under normal use and maintenance, from any defects in material and workmanship. If any such defects should be found in this product within the applicable warranty period, Magnasonic shall, at its option, repair or replace the product as specified herein. Replacement parts furnished in connection with this warranty shall be warranted for a period equal to the unexpired portion of the original equipment warranty.

This warranty shall not apply to:

Any defects caused or repairs required as a result of abusive operation, negligence, accident, improper installation or inappropriate use as outlined in the owner's manual.

Any Magnasonic product tampered with, modified, adjusted or repaired by any party other than Magnasonic or Magnasonic Authorized Service Centres.

Damage caused or repairs required as a result of the use with items not specified or approved by Magnasonic, including but not limited to head cleaning tapes and chemical cleaning agents.

Any replacement of accessories, glassware, consumable or peripheral items required through normal use of the product including but not limited to earphones, remote controls, AC adapters, batteries, stylus, trays, filters, cables, paper, cabinet, cabinet parts, knobs, buttons, baskets, stands and shelves.

Any cosmetic damage to the surface or exterior that has been defaced or caused by normal wear and tear.

Any damage caused by external or environmental conditions, including but not limited to transmission line/power line voltage or liquid spillage. Any product received without appropriate model, serial number and CSA /cUL /cULus /cETL /cETLus markings.

Any products used for rental or commercial purposes. Any installation, setup and/or programming charges. Should this Magnasonic product fail to operate during the warranty period, warranty service may be obtained upon delivery of the Magnasonic product together with proof of purchase and a copy of this LIMITED WARRANTY statement to an Authorized Magnasonic Service Centre. In-home warranty service may be provided at Magnasonic's discretion on any Magnasonic television with the screen size of 40" or larger. This warranty constitutes the entire express warranty granted by Magnasonic and no other dealer, service centre or their agent or employee is authorized to extend, enlarge or transfer this warranty on behalf of Magnasonic. To the extent the law permits, Magnasonic disclaims any and all liability for direct or indirect damages or losses or for any incidental, special or consequential damages or loss of profits resulting from a defect in material or workmanship relating to the product, including damages for the loss of time or use of this Magnasonic product or the loss of information. The purchaser will be responsible for any removal, re-installation, transportation and insurance costs incurred. Correction of defects, in the manner and period of time described herein, constitute complete fulfillment of all obligations and responsibilities of Magnasonic Electronics to the purchaser with respect to the product and shall constitute full satisfaction of all claims, whether based on contract, negligence, strict liability or otherwise.

I YEAR PARTS & LABOUR WARRANTY PERIODS

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