

SNOW 7 HD Plus

7" Handheld Video Magnifier

User's Guide
Version 1.1



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To contact by e-mail, send questions to sales@zoomax.co. To search the knowledge base, please visit www.zoomax.co and select the relevant links.

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1. Introduction

➤ About your Snow 7 HD Plus

Congratulations on the purchase of your new Snow 7 HD Plus, a video magnifier to view, magnify and listen to (optional).

Please read this user's guide carefully before using. This guide will help you understand the Snow 7 HD Plus' features better and allow you to get the full benefit of your Snow 7 HD Plus video magnifier.

➤ IMPORTANT NOTICE:

There are TWO versions of Snow 7 HD Plus: unit WITHOUT text-to-speech version and unit WITH text-to-speech version. You will find the icon  on the upper-right corner of the package of the unit WITH text-to-speech function.

➤ About this User's guide

We constantly seek to improve our products and their performance. Therefore, it is possible that this guide is not the latest version available. You can still download the latest user's guide in the Support section at www.zoomax.co.

If you have any questions after reading this guide, please contact your supplier for further assistance.

2. Safety and maintenance

To keep your Snow 7 HD Plus video magnifier in optimal condition, please read the following safety guidelines carefully:

- To avoid the risk of fire, do not expose your Snow 7 HD Plus to excessive heat or direct sunlight.
- To avoid the risk of electrical damage, keep your Snow 7 HD Plus away from fluids and chemicals.
- To avoid the risk of electrical shock, please do not attempt to disassemble the unit. Please refer all services to an authorized repair facility.
- Always unplug the Snow 7 HD Plus before cleaning. Use the cleaning cloth or a soft damp cloth to clean the exterior. Do not use cleaning agents or abrasive material, as they will damage your video magnifier.
- Please note: The use of a screen protector might influence the functioning of the touch screen.

3. Get to know the Snow 7 HD Plus

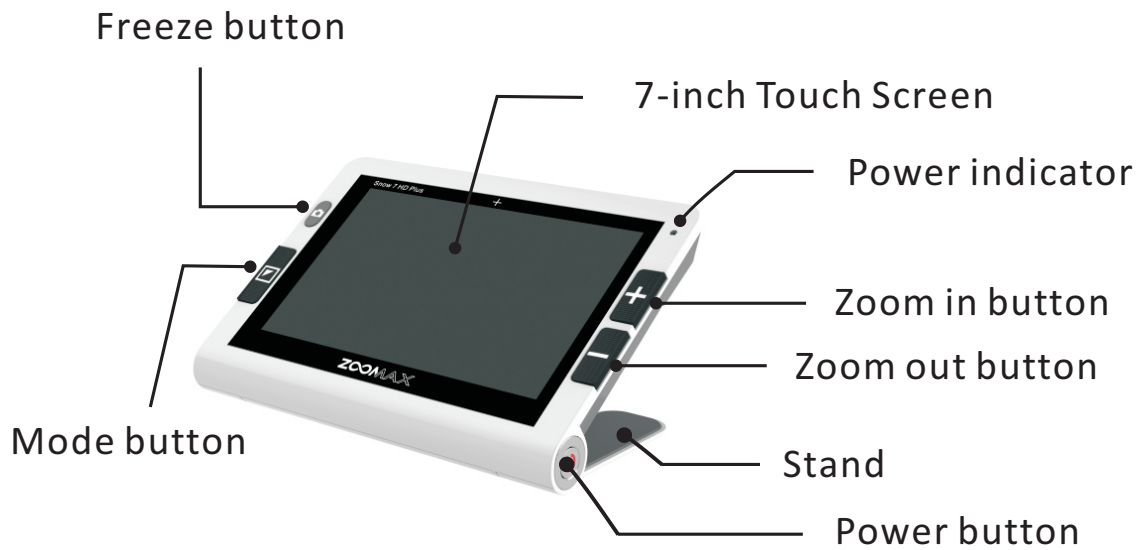
3.1 Accessories

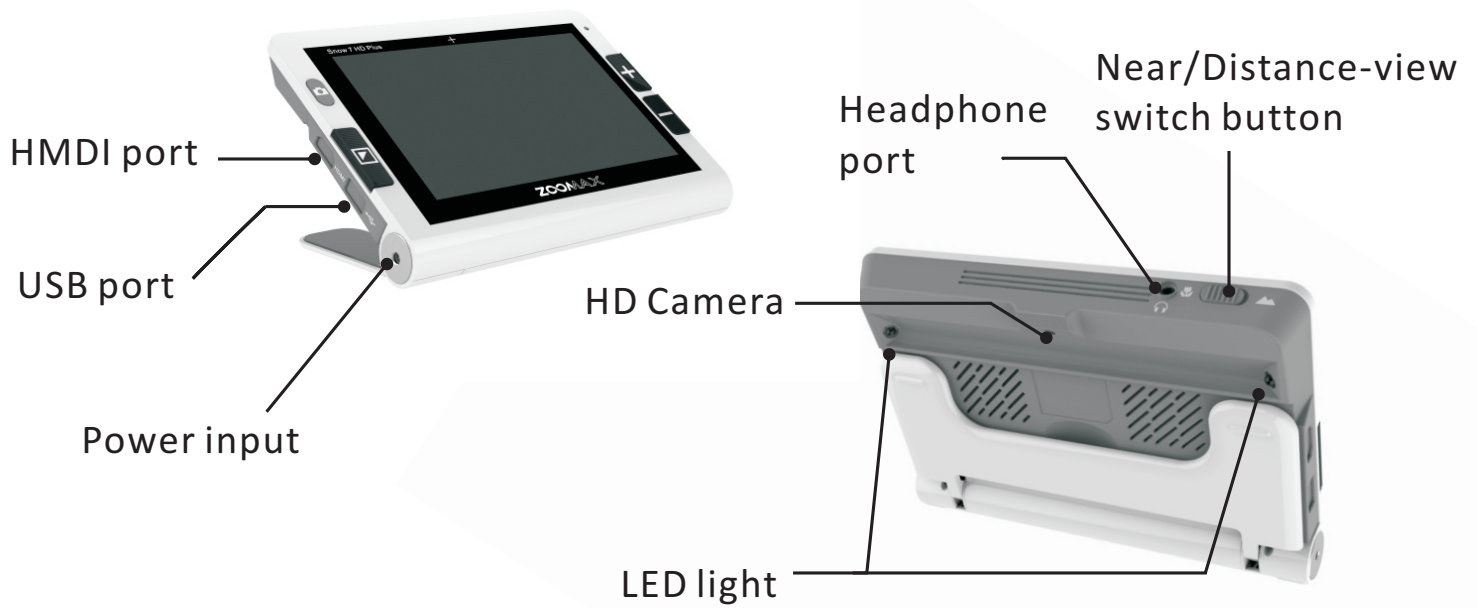
You would find the following accessories inside the Snow 7 HD Plus package box:

- User's guide
- Power adapter
- USB cable
- HDMI cable
- Carrying case
- Cleaning cloth

If any items are missing from your package, please contact your distributor.

3.2 General description








3.3 Charge the battery



- The battery **MUST** be fully charged prior to **FIRST** use of your Snow 7 HD Plus.
- To charge the battery, simply plug the supplied power adapter into an available power outlet and connect to your device. Please note that the power indicator is **RED** while charging.

- When the battery is fully charged, the Power indicator will turn GREEN. When the battery is empty, charging the battery takes approximately 3.5 hours.
- You can use the Snow 7 HD Plus for approximately 3.5 hours of continuous use. When the battery is low, the low battery icon  will show in lower left corner. Please connect the power adapter and plug it in to recharge the battery.

NOTE:

1. When the battery charge is low, the low battery icon  will appear in the lower left corner of the screen. Your Snow 7 HD Plus can be used for approximately 10 minutes before the automatic shutdown.
2. In order to guarantee and extend the life time of the battery, please charge the battery only when the low battery icon  display on the screen. And, please make sure the battery is fully charged and discharged each time.

3.4 Power indicator status

- RED: Battery charging while not fully charged - Power adapter connected (no matter the unit is on or off or in the standby mode)
- GREEN: Battery not charging - Power adapter unconnected (the unit is on or in standby mode). Battery fully charged while still connected to the power (no matter the unit is on or in standby mode)
- INDICATOR OFF: Power adapter not connected (the unit is off)

4. Basic operation

➤ IMPORTANT NOTICE:

All the operation descriptions in this chapter can be proceeded under non-text-to-speech function only. However, the unit with or without text-to-speech function is always having basic operation.

4.1 Power On/Off

- Press and hold the Power button for 2 seconds and the Power Indicator will turn GREEN. Release the Power Button, the name of Snow 7 HD Plus appears on the screen for seconds and then, ZOOMAX logo will be shown on the screen. Then, after a few seconds, it turn to the real-time image display. Please kindly note Snow 7 HD Plus is run by ANDROID system. The time to power on the unit is a little longer. However, you can seldom power on/off the unit by using the special design of STANDBY MODE (please refer to page 11, the introduction of standby mode.)

- To turn off your Snow 7 HD Plus, press and hold Power button for 2 seconds (Note: you would see the Power indicator goes off)

4.2 Standby mode

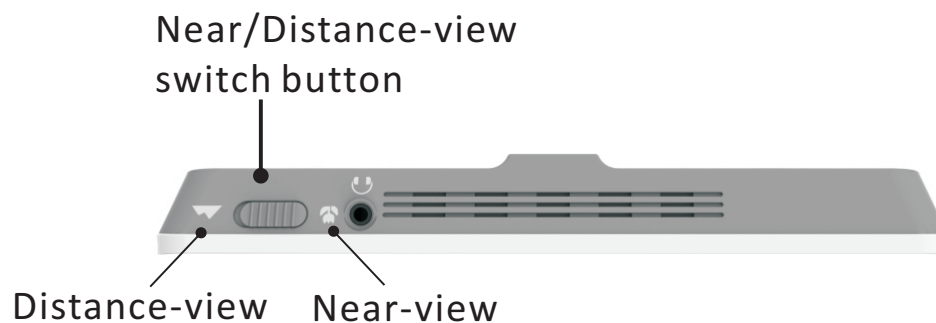





- For power saving purpose, short press the Power button to enter Standby mode.
- In any circumstance and easy-use purpose, your Snow 7 HD Plus will enter Standby mode automatically after 3 minutes of inactivity.
- Exit standby mode: short press the Power button again to exit.

NOTE:

To use Standby mode, you have to make sure your unit is power-on.

4.3 Near/Distance-view function



- Toggle the Near/Distance-view button  to switch between near-view and distance-view mode.
- Toggle the button to the Right direction  to view close.
- Toggle the button to the Left direction  to view distance.
- Turn your Snow 7 HD Plus UPSIDE DOWN to view distance more comfortably.

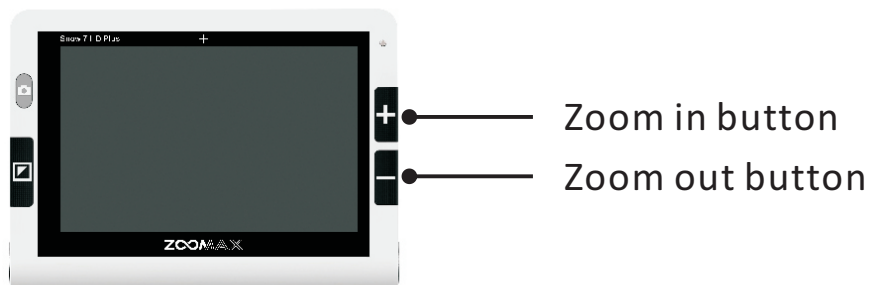
NOTE:

When switch from near-view to distance-view, the color mode is full-color mode by default. You can change the color mode by pressing the mode button if needed.

NOTE:

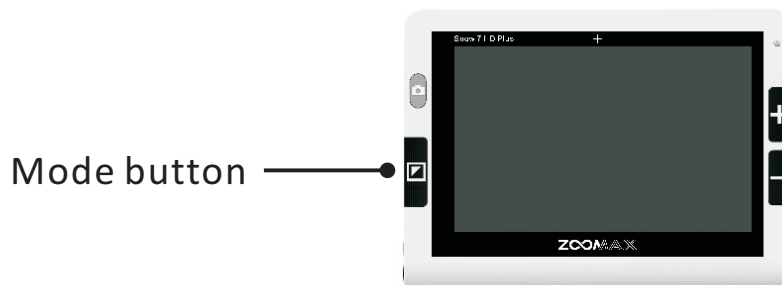
When switch from distance-view to near-view, the color mode will return to the full color.

4.4 Zoom control



- Press the “+” button to zoom in and press the “-” button to zoom out.
- When open the reading stand and keep the reading material flat on the desk, the magnification range is 2.5X~19X.
- Connecting the unit to a TV or monitor will increase the overall magnification (please refer to page 27).

4.5 Select color mode



➤ Normal mode

Press the Mode button under normal mode, you can select from 10 high contrast color modes plus full color mode. The default color mode is full color mode. The Snow 7 HD Plus color options are listed below:

- Full color
- High contrast white text on black background mode
- High contrast black text on white background mode
- High contrast white text on blue background mode
- High contrast blue text on white background mode
- High contrast yellow text on black background mode
- High contrast black text on yellow background mode
- High contrast blue text on yellow background mode
- High contrast yellow text on blue background mode
- High contrast green text on black background mode
- High contrast black text on green background mode

➤ Favorite color mode

- Under any contrast color mode, press and hold the Mode button for two seconds until you hear ONE BEEP to enter Favorite color mode. Only 3 color modes are for selection in this mode: the full color, the favorite color you choose and its reverse color mode (such as white on blue & blue on white).
- To exit Favorite color mode, press and hold the Mode button for 2 seconds until you hear TWO Beeps.

NOTE:

When trying to enter Favorite color mode, the beep sound will always ON, no matter the system button sound is on or off (refer to Button sound On/Off operation on page 32)

4.6 Reading line

- There are two reading line options: Horizontal reading line and Vertical reading line.
- Under real-time viewing mode, short press the “+” and “-” simultaneously to activate horizontal reading line. Short press the “+” and “-” simultaneously again to activate vertical reading line. Short press the “+” and “-” simultaneously again to exit. You will find no reading line on the screen.

NOTE:

The reading line position is fixed and could not be adjusted.

4.7 Freeze function

➤ Auto focus / Tap to focus

- By default, the camera is auto focus.
- You can also tap the screen to focus on the object you want to view. After switching between different modes (for example, near and distant viewing mode switch), please tap the screen to focus.

➤ Freeze image

- Place your Snow 7 HD Plus over the viewed material.
- Short press the Freeze button to freeze a real-time image.

4.8 View frozen image

Take your Snow 7 HD Plus closer to your eyes to see the image. The image can be zoomed in/out and color mode can be changed.

- When the image has been zoomed in, use one finger to press and hold the screen and pan to view detailed parts of the image.
- Press the Freeze button to revert to real-time viewing mode.

4.9 Save frozen image


- Press the Freeze button to freeze the image.
- Press and hold the Mode button and Zoom in button simultaneously for 2 seconds, a tick icon will appear on the screen indicating the image has been saved.
- The Snow 7 HD Plus can store up to 1000 images.

NOTE:

If you try to save another image when the memory of the unit is full, the screen will display “Memory full”. You must first delete one or more images from the memory.

4.10 View/Delete saved images

- Check saved images
- Under real-time viewing mode, press and hold the Mode button and Zoom out button simultaneously for 2 seconds, image index display (sets of 4 saved images) will appear. The saved images will be displayed in inverted order with correspondent numbers marked.

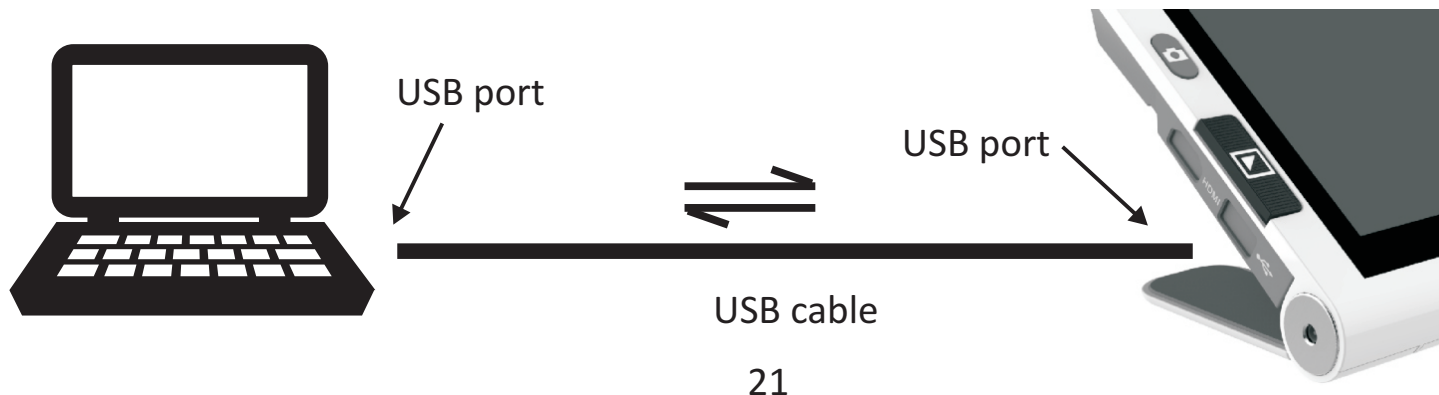
- Use one finger to flick on the screen to browse through the image index display.
 - Tap the image to select it.
 - To view the previous or next photo, you can use one finger flick left or right under the lowest magnification of the image.
 - Press Mode button to change the color mode.
 - Press “+” button or “-” button to zoom in or zoom out the image.
 - When the image has been zoomed in, use one finger to press and hold the screen and pan to view detailed parts of the image.
 - Press the Freeze button to revert to the image index.
 - Press the Freeze button again to revert to real-time viewing mode.
- Delete saved images
- When viewing a saved image, press and hold the Mode button and “-” button simultaneously for 2 seconds, and the screen will display a trash icon  which shows the image has been deleted successfully. Then it will switch to the next image.
 - If you delete the only remaining image, the screen will display “No photo!” and revert to real-time viewing mode.

4.11 Transfer images

Images stored in Snow 7 HD Plus can be transferred to your computer using the supplied USB cable (included). Images in the computer can also be transferred from computer to Snow 7 HD Plus.

Steps are as follows:


1. Make sure your Snow 7 HD Plus and your computer are on.
2. Use the USB cable (included) to connect the magnifier to the computer.
3. Plug one end of the USB cable to the USB port of your Snow 7 HD Plus and plug another end of the USB cable to the USB port of your computer.



NOTE:

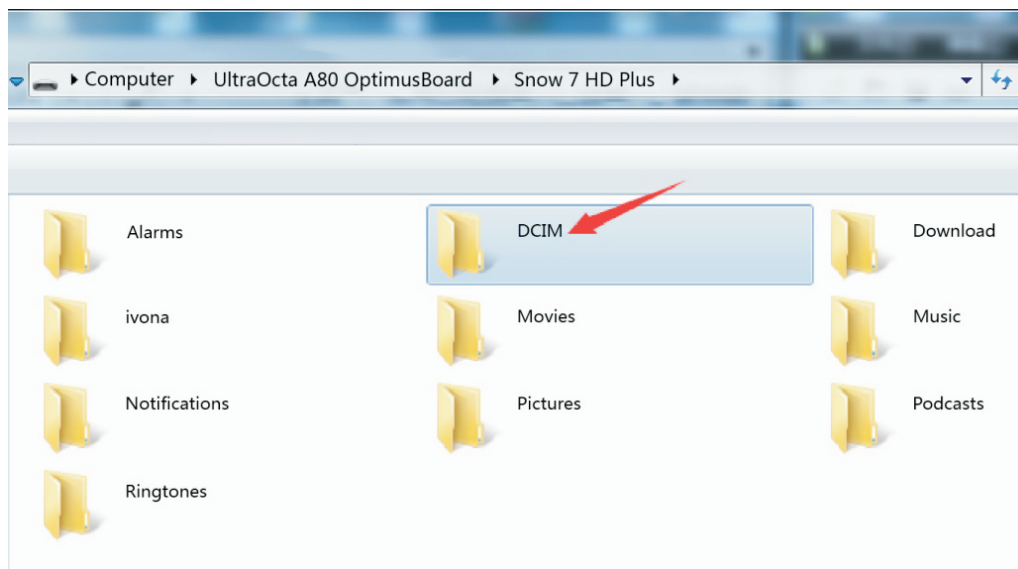
The Snow 7 HD Plus can only be connected to Windows now and Mac support is in development. If you need to connect Mac, please contact your local Zoomax distributor or Zoomax headquarters for latest news.

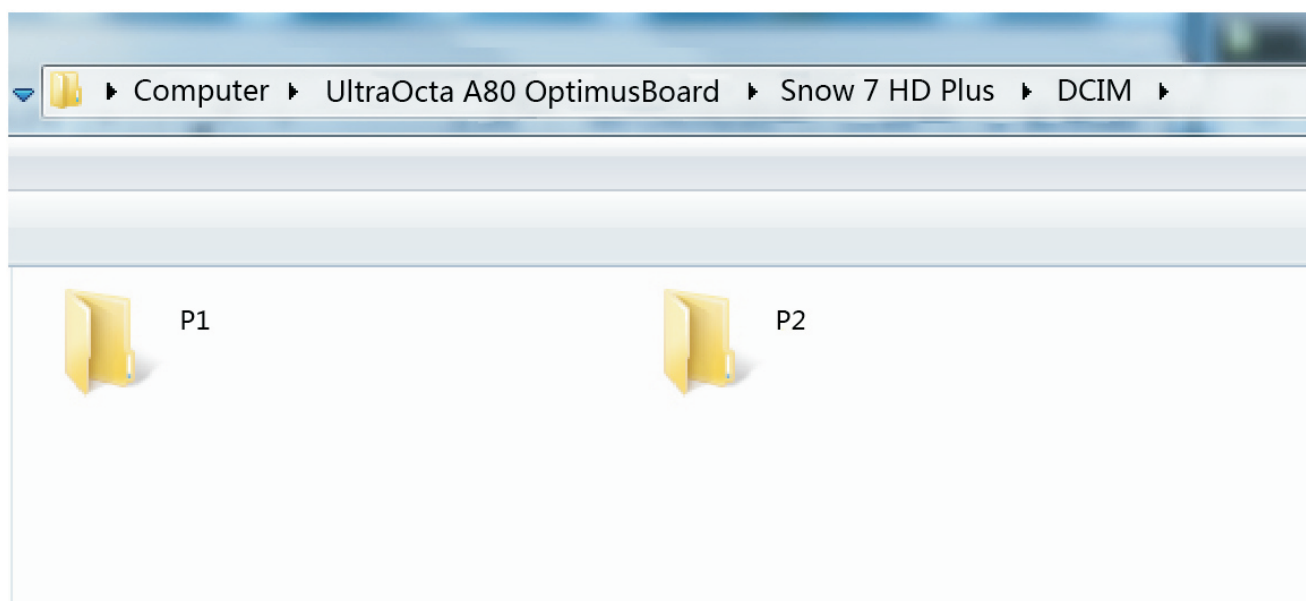
2. When connected,

- The power indicator will turn red which indicates the unit connected.
- The battery icon  will always show in lower left corner of the screen.
- Snow 7 HD Plus displays as an external device of computer.
- Double-click the hard disk named “Snow 7 HD Plus” to enter the disk.

3. To transfer images:

After opening the “Snow 7 HD Plus” disk, there are several folders (shown as figure below), such as “Alarms”, “Movies” and “Music”. These folders are reserved for later usage and you can skip them directly. Choose “DCIM” folder and you will see P1 folder and P2 folder (applicable to units with text-to-speech function)



**NOTE:**

All images from basic operation are stored in P1 folder. All images from text-to-speech function are stored in P2 folder.

Select the corresponding folder first, then select the images you want to transfer. You can either copy or cut the chosen images and transfer it from the magnifier to your computer or from computer to the magnifier.

NOTE:

All images stored in P1 folder can only be viewed under basic operation (non-text-to-speech function).

Only the unit with text-to-speech function has P2 folder. This folder is only be used for storing documents from the text-to-speech function.

NOTE:

- All images transferred from P1 or P2 folder are in JPG format.
- Please do not modify the folder name of P1 or P2 or delete these two folders.
Otherwise the unit can not find those images transferred from computer and the images stored before.

After transferring image(s), disconnect the Snow 7 HD Plus from your computer by unplugging the USB cable. Please make sure you already save the images you need before you unplug the cable.

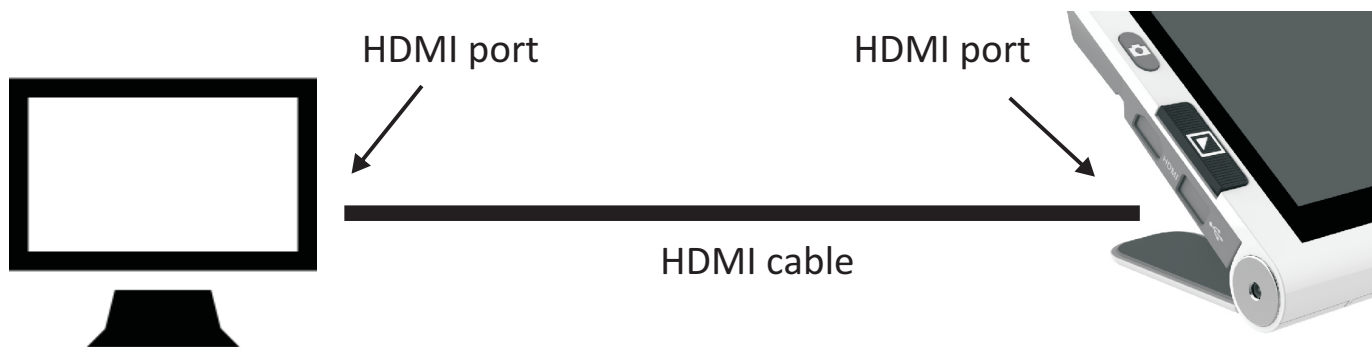
NOTE:

- If the memory of the Snow 7 HD Plus is full, the image from the computer can't be transferred to the magnifier. Please make sure there are enough storage space.
- To safely disconnect the unit and protect your data, always follow your operating system's procedures to remove your USB cable.

4.12 Connect to TV or monitor

To view reading material on a larger screen, you can connect the unit to TV or monitor.

1. Make sure to power on your TV or monitor.
2. Use the HDMI cable (included) to connect the magnifier to the TV or monitor.
3. Just plug one end of HDMI cable into the HDMI port on your Snow 7 HD Plus and the other end of the HDMI cable into any available HDMI port on your TV or monitor.



Once connected, the Snow 7 HD Plus screen will turn off automatically and enter HDMI output mode. And the contents of material will display on the monitor or TV.

NOTE:

Your Snow 7 HD Plus can also be connected to TV or monitor that are not equipped with HDMI port. Contact your local Zoomax distributor for more information about available adapters for connecting your Snow 7 HD Plus to TV or monitor with no HDMI port.

5. The Snow 7 HD Plus system setting

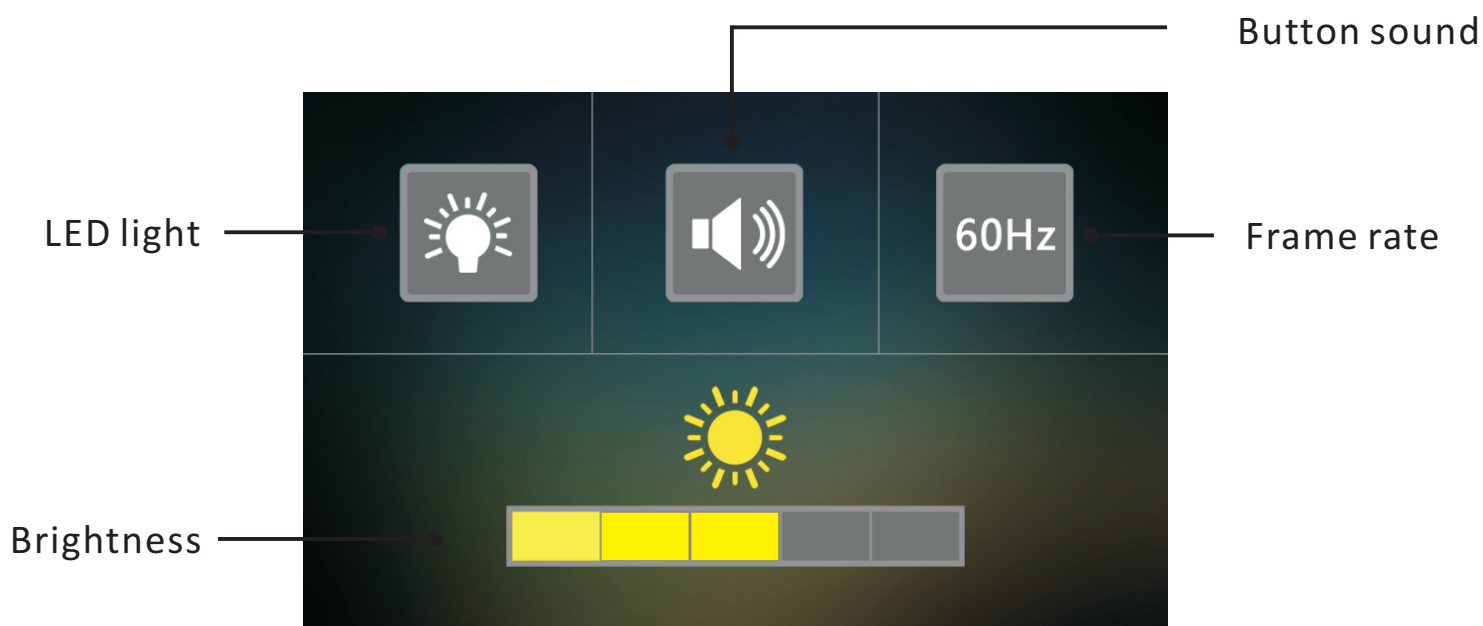
NOTE:

All the following system setting are applicable to basic operation and advanced operation (text-to-speech function).

5.1 Activate/Exit the system setting menu

➤ Activate the setting menu

1. Short press Freeze button and “+” button simultaneously to activate the system setting menu as figure on page30.
2. Press “+” button or “-” button to cycle through the four icons.




➤ Exit the setting menu

Short press Freeze button to revert to real-time viewing mode.

If no operation within 5 seconds, it will revert to real-time viewing mode automatically.

5.1.1 LED light On/Off

1. Press “+” button or “-” button to select LED light icon  , press Mode button to enter LED light setting interface as below.



2. Press “+” button or “-” button to choose LED light status. By default, the LED lights are ON in near-view and OFF in distance-view mode.

3. Press Mode button to confirm the setting and back to previous menu or press Freeze button to directly exit to previous menu. If no operation within 5 seconds during setting, it will revert to real-time viewing mode automatically.

TIPS:


Under near-view function, we recommend using double lights ON.

Under distance-view function, the double LED lights are OFF by default. You can turn them on if needed.

Under text-to-speech function, we recommend using double lights ON on matte paper and double lights OFF on glossy paper.


Under handwriting mode with the unit lifted, turn the lights on or off according to the environment and your handwriting preferences. If you are left-handed, you can turn off the left LED light to avoid the shadow. If you are right-handed, you can turn off the right LED light to avoid the shadow.

5.1.2 Button sound On/Off

1. Press “+” button or “-” button to select Button sound icon  , press Mode button to turn button sound ON or OFF. By default, the sound is turned ON. The volume of the button sound is set by default and can't be modified.



2. Press Freeze button to revert to real-time viewing mode. If no operation within 5 seconds during setting, it will revert to real-time viewing mode automatically.

5.1.3 Frame rate

1. Press “+” button or “-” button to select Frame rate icon  , press Mode button to choose 50 Hz/60 Hz. The default rate is 60 Hz.

2. After making the setting, press Freeze button to revert to real-time viewing mode. If no operation within 5 seconds during setting, it will revert to real-time viewing mode automatically.

5.1.4 Brightness adjustment

1. Press “+” button or “-” button to select Brightness icon   (shown as figure1, page 34), press Mode button to confirm and it’s background will turn to white (shown as figure2, page 34), indicating the brightness adjustment function has been intivated.

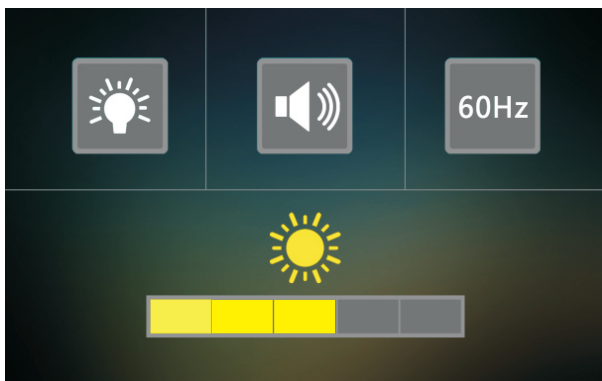


Figure1

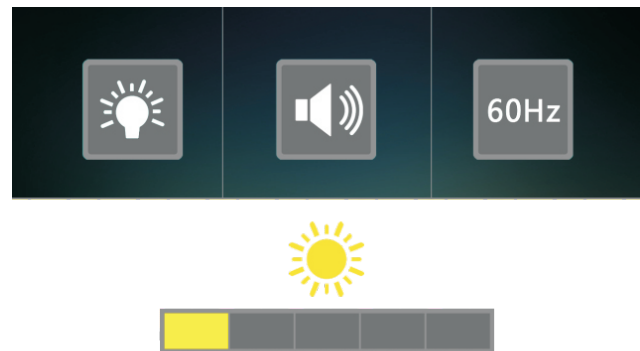



Figure2

2. Press zoom in button or zoom out button to increase or decrease the brightness.
3. There are total 5 intensity settings: 5,4,3,2,1.
By default, intensity level is set to 3.
4. After making the setting, press Freeze button to revert to real-time viewing mode.
If no operation within 5 seconds during setting, it will revert to real-time viewing mode automatically.

5.2 Demo mode

➤ Activate demo mode

Under real-time viewing mode of basic function or advanced function(text-to-speech function), press and hold the Freeze button first and then short press Mode button and the Snow 7 HD Plus will enter demo mode when a white rectangle icon  appears at the bottom right corner of the screen after a beep sound. The magnifier will always be on, so you can enjoy extended periods of reading.

➤ Exit demo mode

Press and hold the Freeze button first and then short press Mode button. The Snow 7 HD Plus will exit demo mode with rectangle icon disappeared after a beep sound.

5.3 Memory function

The following setting will be saved automatically when the unit turned off to facilitate the next use: the magnification, button sound on/off, color mode and favorite color mode, frame rate, brightness of screen and demo mode.


5.4 Factory reset

Long press “+” and “-” simultaneously for 5 seconds you will find “Shutting down” appears on the screen. Then, release the press, the unit will be powered off a few seconds later. All setting will be reset to factory defaults when Snow 7 HD Plus is turned on next time.

6. Advanced operation (text-to-speech function)

If the device you purchase has text-to-speech function, please follow the instructions below to experience the text-to-speech function.

NOTE:

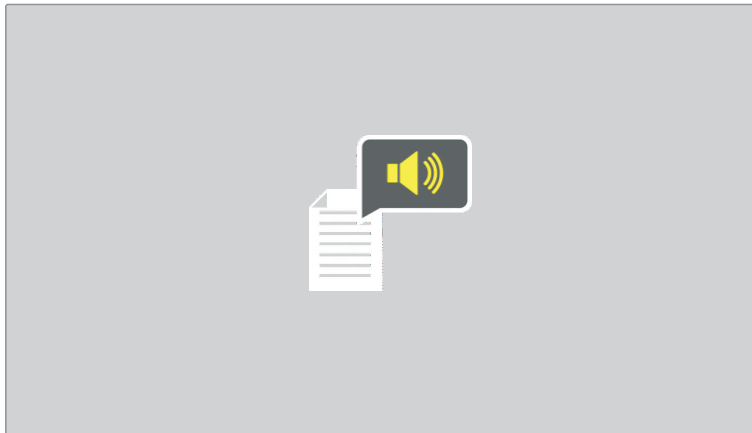
There is a printed icon  in the upper-right corner of the packing symbolizing the Snow 7 HD Plus inside the package has text-to-speech function.

Once you purchase the device without text-to-speech function which you desire to have afterwards, you can contact your local supplier for the version update service. Please notice you will be charged for getting this additional function.

6.1 Enable/Disable text-to-speech function

➤ Enable text-to-speech function

Under the real-time viewing mode (not under the frozen image or saved image mode), press and hold the Freeze button for 3 seconds to enter text-to-speech function until you see the icon appeared on the screen as below.



➤ Disable text-to-speech function

To exit text-to-speech function under real-time viewing mode, long press the Freeze button for 3 seconds to exit. If your unit is proceeding with text reading task, to exit the text-to-speech function, you have to short press Freeze button to exit the text page, and then long press the Freeze button for 3 seconds to exit.

NOTE:

If you long press the Freeze button during reading period, the device may take a picture of the reading material under the camera and go to the text-to-speech process.

6.2 Activate/Exit the text-to-speech setting menu

Before using the text-to-speech function, please enter the setting menu to set up the language, voice speed, voice and volume first.

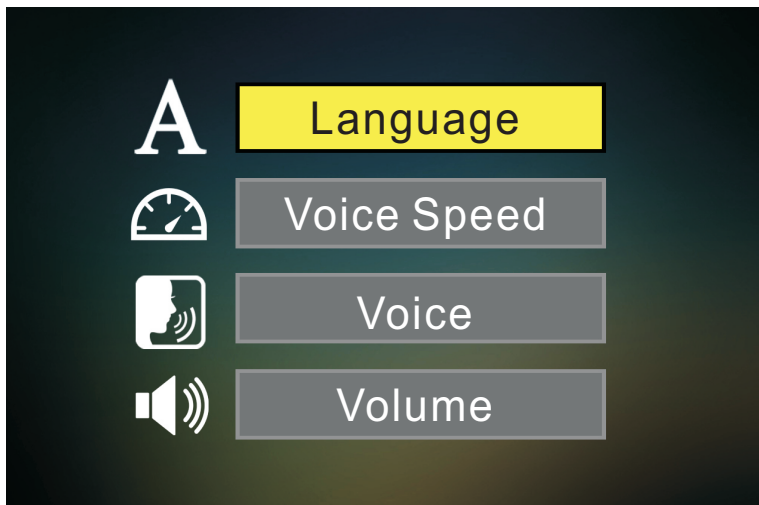
Please choose the language same as the language on the document you want to read. Otherwise the function can't be performed properly and the result may be garbled text or "Not found".

NOTE:

If you want to change the setting during the reading period, please short press the Freeze button to exit, and then enter setting menu for setting.

➤ Activate the text-to-speech setting menu

1. Press and hold the Mode button for 3 seconds to activate the speech setting menu (the first class setting page) shown as figure on page 41.
2. Press "+" button or "-" button to cycle through the four items.



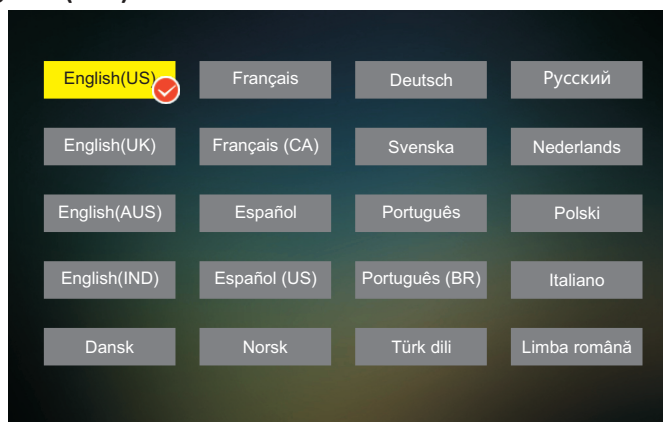
➤ Exit the setting menu

In the first class setting page, short press Freeze button to exit.

In the second class setting page (introduced in the latter pages), short press Freeze button to exit to the first class setting page, and then short press Freeze button to exit.

6.2.1 Language

1. In the first class setting menu, press “+” button or “-” button to select “Language”, press Mode button to enter language setting page (the second class) as below. The default language is English(US).

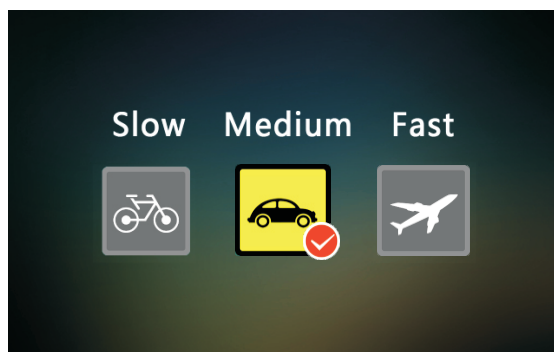
**NOTE:**

20 languages are available now. Please refer to the figure above. More languages are coming. Please contact your local supplier for further information.

2. Press “+” button or “-” button to select the language you need, and press Mode button to confirm. It will exit to the setting menu (the first class). Short press the Freeze button to exit setting menu.

6.2.2 Voice speed

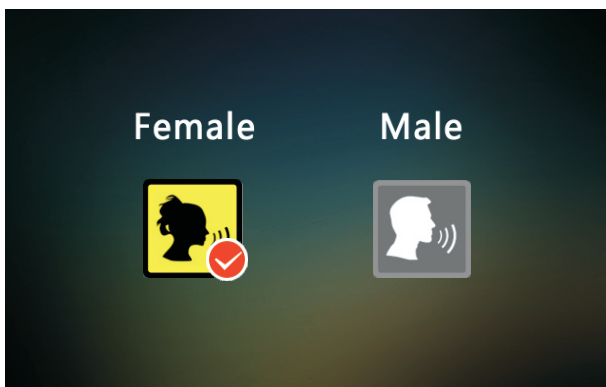
1. In the first class setting menu, press “+” button or “-” button to select Voice Speed, press Mode button to enter voice speed setting page (the second class) as below. The default speed is “Medium”.



2. Press “+” button or “-” button to select the speed you prefer, and press Mode button to confirm. It will automatically exit to the setting menu (the first class). Short press the Freeze button to exit setting menu.

6.2.3 Voice

1. In the first class setting menu, press “+” button or “-” button to select Voice item, press Mode button to enter voice (Female or Male) setting page (the second class) as below. The default voice is “Female”.

**NOTE:**

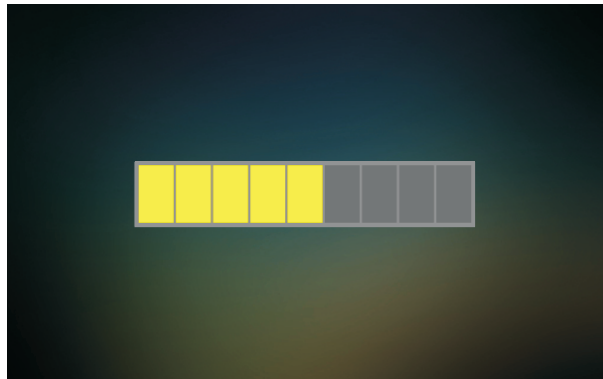
The existing languages shown as below only have FEMALE voice:

English(IND) / Français (CA) / Norsk /
Limba română / Türk dili / Svenska

2. Press “+” button or “-” button to select the voice you need, and press Mode button to confirm and exit to the setting menu (the first class). Short press the Freeze button to exit.

6.2.4 Volume

1. In the first class setting menu, press “+” button or “-” button to select Volume item, press Mode button to enter volume setting page (the second class) as below. The default volume is medium.



2. Press “+” button or “-” button to increase or decrease the volume, and press Mode button or Freeze button to confirm and exit to the setting menu (the first class). Short press the Freeze button to exit.

NOTE:

Whether the button sound is ON or OFF, the sound that indicates the volume will always be on. The indicating sound will increase while pressing the “+” button and decrease while pressing the “-” button. You can set the volume by referencing the indicating sound.

NOTE:

The Snow 7 HD Plus has equipped with a built-in speaker. You can connect to an external speaker to obtain louder voice.

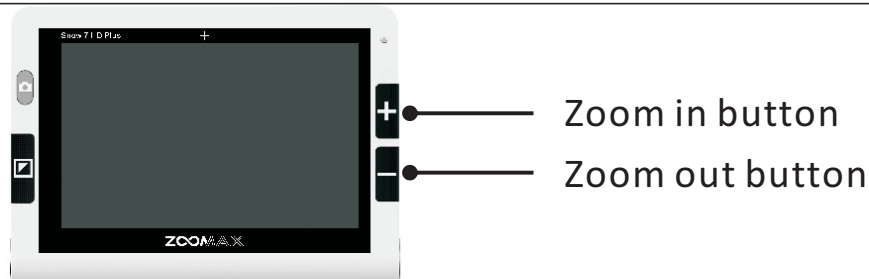
If you need to hear the voice in public or other quiet place, you could also use headphone.

Please note the headphone port shows as figure below.

6.3 Zoom control under text-to-speech function

NOTE:

After entering text-to-speech function, the default magnification is the lowest magnification 1.7X. Before scanning the document, you can magnify the document as needed. The magnification range is 1.7X~8X.



- Press the “+” button to zoom in and press the “-” button to zoom out.
- Lifting your Snow 7 HD Plus from the reading material will decrease the magnification.


NOTE:

Before scanning the document, the document can only be zoomed in or zoomed out, and the color modes can't be changed.

6.4 Get started

Freeze button



1. Make sure you have activated the text-to-speech function (seeing page 40 how to activate text-to-speech function). The Speech icon  appears on the screen and always show on the lower left corner indicating this function has been activated.
2. Place the document flat under the Snow 7 HD Plus.
3. Tap the screen to focus.
4. Short press the Freeze button to capture the document, then the 3 seconds countdown starts, see figures on page 49.

Zoomax, established in 2011, is a developer and manufacture of technology dedicated to creating independence for people with vision impairments offering a full line of low vision products, including handheld, portable and desktop video magnifier.

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5. After the 3 seconds countdown, the unit enter loading process shown as figure below.

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6. A few seconds later, the document scanned will be converted to TEXT on the screen and the text will start reading automatically from the beginning.

NOTE:

- Don't move the unit or reading material during 3 seconds countdown process. Otherwise the document scanned may be blurred or lead to the text-to-speech process failed.
- Please note that charts and tables can't be converted to text precisely. Please do not try to use this function to read charts and tables.

NOTE:

After scanning the document, there will be a beep before reading, and after this beep, it starts reading the text. The beep sound will always be on whether the button sound is on or off. If you need to hear the voice in public or other quiet place, you should use headphone.

Lift the height of the Snow 7 HD Plus, it can capture more contents on the reading material. The maximum height you can lift the unit is the height that can be taken an entire **A4** sheet.

NOTE:

If the font size is not common when scanning an entire A4 sheet, the text-to-speech process maybe fail and the “Not found” will appear on the screen.

When you lift the device to take a picture of a document:

- **Please ensure a good lighting environment.**
- **Please keep your hands stable. For your better experience of using text-to-speech function, we recommend you purchase the Swivel Arm specially designed for Snow 7 HD Plus. If you are interested, please contact your local Zoomax distributor.**

6.5 Zoom control under text mode

- During reading, you can press the “+” button or “-” button to change the magnification of the text.
 - Press the “+” button to increase the magnification of the text.
 - Press the “-” button to decrease the magnification of the text.

There are total 7 levels of magnification of the text from the lowest to the highest. The default magnification is the lowest level.

6.6 Text color

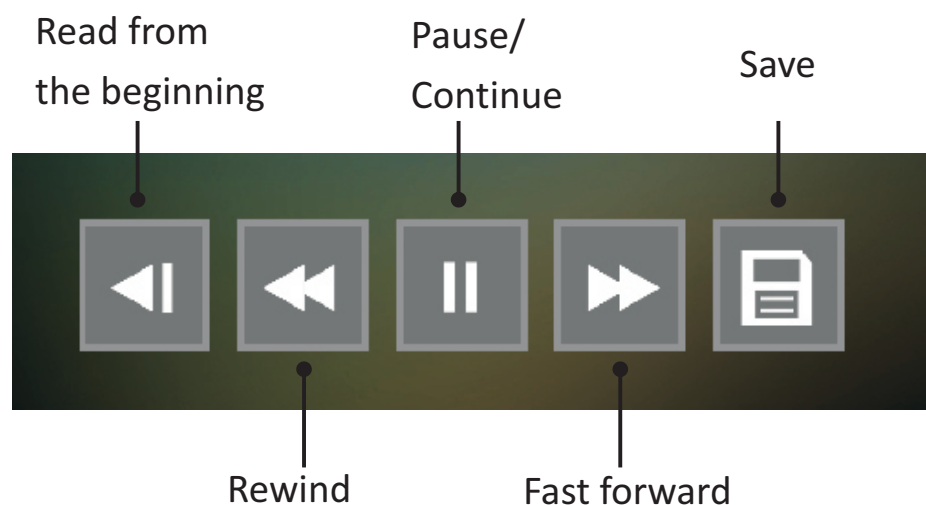
- During reading, you can press the Mode button to change contrast color mode. There are following 4 color modes.
 - High contrast white text on black background mode
 - High contrast black text on white background mode
 - High contrast yellow text on black background mode
 - High contrast black text on yellow background mode



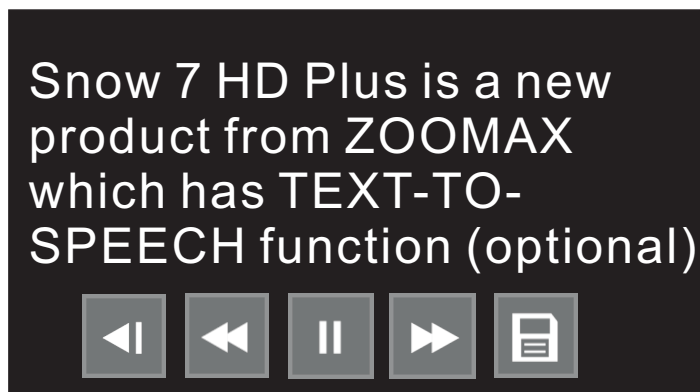
By default, the contrast color mode is white text on black background mode.

6.7 The button bar



Use one finger to tap the screen during reading, and the button bar appears at the bottom of screen. Tap anywhere of the screen again to hide the button bar. If no operation within 3 seconds, the button bar will be hidid automatically.



The Snow 7 HD Plus' speech button bar shows as above. Slightly tap on the icon to PAUSE or CONTINUE the reading, REWIND or Fast forward, or SAVE the document as JPG format. The saved document will be stored in P2 folder.





➤ Pause/Continue

- During reading, use the Pause/Continue icon to Pause or Continue reading.
- Tap this icon to pause the speech and the icon will switch to continue icon .
- Tap this icon again to continue speech and the icon will switch to pause icon .

NOTE:

During reading , you can always short press the Freeze button to exit the reading immediately.

➤ Rewind

- During reading, tap the Rewind icon  once, it will read the previous sentence.
- Tap the Rewind icon  several times, and it will read from several sentences ahead.


➤ Fast forward

- During reading, tap the Fast forward icon  once, it will read the next sentence.
- Tap the Fast forward icon  several times, it will read from several sentences later.



NOTE:

If there is no operation after you tap the rewind or fast forward icon for 1 second, the reading will continue from the sentence you have selected.

➤ Read from the beginning

- During reading, tap the "Reading from the beginning" icon , then it will read from the beginning.

➤ Save the document

- During reading, tap the Save icon  , the document will be saved. A tick icon  will appear on the screen indicating the document has been saved successfully.

NOTE:

If the document has been saved already, there will be no tick icon shown on the screen when you tap the “Save icon” again. In other words, the Save icon operation is valid for one-time tap during the document reading process.

6.8 Find and read saved documents

To find saved documents, under real-time viewing mode of text-to-speech function, first press and hold the Mode button and “-” button simultaneously for 2 seconds, document index display (sets of 4 saved images) will appear. The saved documents will be displayed in inverted order with correspondent numbers marked.


NOTE:

The document will be shown on the screen in picture format. Once it starts to read, the document will be processed to text and display on the screen.

NOTE:

There will be a beep sound when the document index appears on the screen. The beep sound will always be on whether the button sound is on or off. If you need to hear the voice in public or other quiet place, you can use headphone.


- Use one finger to flick on the screen to browse through the document index.
- Tap the document to select one.
- To view the previous or next document, you can use one finger flick left or right under the lowest magnification.

- There is a play icon  in the middle of the document. Tap this icon to start the document reading.
- To exit the text page during reading, press the Freeze button to revert to document page.
- To exit document interface, press the Freeze button to go back to document index.
- Press the Freeze button again to exit to real-time viewing mode under text-to-speech function.



NOTE:

When start reading, contrast color and magnification level of the text stays the same as it was when you saved it. But the voice and volume are under latest setting.

NOTE:

There will be a beep sound when tap the play icon  and the unit start reading. The beep sound will always be on whether the button sound is on or off. If you need to hear the voice in public or other quiet place, you can use headphone.

6.9 Delete saved documents

- To delete a saved document, choose the document you want to delete first, and then press and hold the Mode button and “-” button simultaneously for 2 seconds, and the screen will display a trash icon  indicating the document has been deleted successfully. Then it will switch to the next document automatically.
- Please note, the document which has been deleted can't be recovered.
- If you delete the only remaining document, the screen will display “  ” for 1 second and then exit to real-time viewing mode of text-to-speech function.

NOTE:

You can only delete one document at a time. That means you can not delete the four documents on the screen or delete the whole document folder at a time.

6.10 Transfer documents

Please refer to chapter 4.11 in page 21.

6.11 Memory function (text-to-speech function)

The following setting of text-to-speech function will be saved automatically when the unit turned off to facilitate the next use:

language, voice speed, voice, volume, the magnification of text and the text color.

7. Trouble shooting

Problems	Solutions
Black screen	<ul style="list-style-type: none">- Ensure that the power is on and not in standby mode.- Charge the battery.- Decrease the magnification level.
The unit is off	<ul style="list-style-type: none">- Charge the battery.
The image on the screen is dark or distorted.	<ul style="list-style-type: none">- Ensure the unit is placed flat on the viewed material.
Smudges or blemishes on the screen.	<ul style="list-style-type: none">- Clean camera and screen with soft cloth.
The unit is connected to a TV, but no image appears on the TV screen.	<ul style="list-style-type: none">- Ensure the TV is on.- Make sure the HDMI cable is connected correctly to TV- Press Power button for 2 seconds to turn off forcedly. Then restart the unit.



Problems	Solutions
Fail to text-to-speech or “Not found” appears on the screen	- Don't move the unit or reading material during the document scanning.
Wrong language setting	- Ensure the language setting of text-to-speech (refer to page 42) is same as the language on the reading material.
Any other problem occurs that is not mentioned in this guide.	- Press Power button and Zoom in button together to turn off by force. Then restart the unit. If the method above is invalid, please contact your local Zoomax distributor or Zoomax headquarters for help.



8. Technical specification

- Magnification:
 - 2.5X ~ 19X (non-text-to-speech function)
 - 1.7X ~ 8X (real-time viewing mode under text-to-speech function)
 - 7 levels of magnification of the text from the lowest to the largest (the text page under text-to-speech function)
- Color modes: Full color and 10 high contrast color modes; 3 favorite modes, including full color
- Screen: 7-inch touch screen; screen resolution: 1280*720p
- Camera: Auto focus/tap to focus; 13M pixels
- Distance-view mode: under good lighting condition, words with a font size of 72pt can be clearly viewed in the maximum magnification at a distance of 5 meters.
- Dimension: 195mm × 139.5mm × 25mm (7.7" × 5.5" × 0.98")

- Weight: 532g (18.8 Oz)
- Images or documents storage quantity: total memory is approximately 1.5GB. For instance, if store the images under non-text-to-speech only, it can store up to 1000 images. If store documents under text-to-speech function only, it can store up to 200 images. If both store the images under non-text-to-speech and documents under text-to-speech function, it can store 200 to 1000 images and documents. (it depends on the pixel size)
- Continuous use: (fully charged battery) approximately 3.5 hours (relevant to LED lights on/off and brightness and the frequency of photo scanning)
- Charging time: 3.5 hours(+/-15 minutes)
- Power adapter: Input:110 ~ 240V; Output: 5V/2.5A

9. Other products from ZOOMAX

<p>M5 HD Plus 5"</p>		<p>Zoomax M5 HD Plus is the latest 5" high definition handheld video magnifier, featuring compact design as well as easy access to abundant settings including image storage, distance view, and reading line & masks. Proven by full investigation and research of users' feedback for better user interaction, M5 HD Plus video magnifier will make a change to your reading experience!</p>
<p>Snow 4.3"</p>		<p>Snow is given the most advanced image technology and best camera. It offers sharp image even at the lowest magnification and under the fast movement. No learning but easy to use skillfully at the very beginning with the large button. You can read and write even when you are travelling.</p>

<p>Aurora HD</p>	 <p>The image shows the Aurora HD magnifier, which is a foldable desk video magnifier. It features a large screen displaying a close-up of oranges, mounted on a stand with a base that includes a keyboard and mouse.</p>	<p>Aurora HD is a new foldable desk video magnifier which integrates the advanced camera technology. It cares for your distinct operation needs at different operating levels. It offers you comfortable image, less for eye strain. There are basic and advanced operation modes for your choice.</p>
<p>Panda HD</p>	 <p>The image shows the Zoomax Panda HD magnifier, a compact design. It features a screen displaying a woman's face, with a yellow 'HD' badge in the top left corner. The device is mounted on a stand with a base.</p>	<p>Zoomax Panda HD with the high specification and compact design offers the most attractive advantages of a full desktop electronic magnifier, crisp image in high definition, intuitive use, space-saving and movable screen design.</p>

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