



CT2200
Smart Display
User Manual



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Power safety

- The AC plug isolates this equipment from the AC supply.
- The power supply cord serves as a power disconnect device for pluggable equipment. The socket outlet should be installed near the equipment and be easily accessible.
- This product should be operated from the type of power indicated on the marked label. If you are not sure of the type of power available, consult your dealer or local power company.
- A certified power supply cord has to be used with this equipment. The relevant national installation and/or equipment regulations shall be considered. A certified power supply cord not lighter than ordinary polyvinyl chloride flexible cord according to IEC 60227 (designation H05VV-F 3G 0.75mm² or H05VVH2-F2 3G 0.75mm²) shall be used. Alternative a flexible cord be of synthetic rubber according to IEC 60245 (designation H05RR-F 3G 0.75mm²) shall be used." or the equivalent.

BenQ ecoFACTS

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Introduction




About this book

This book provides you the main information about various components in your smart display and demonstrates how to use them. Keep this user manual in a safe place for easy reference when needed.

In this user manual, the steps needed to reach a menu are shown in condensed form, for example:  > **Settings** > **Display**.

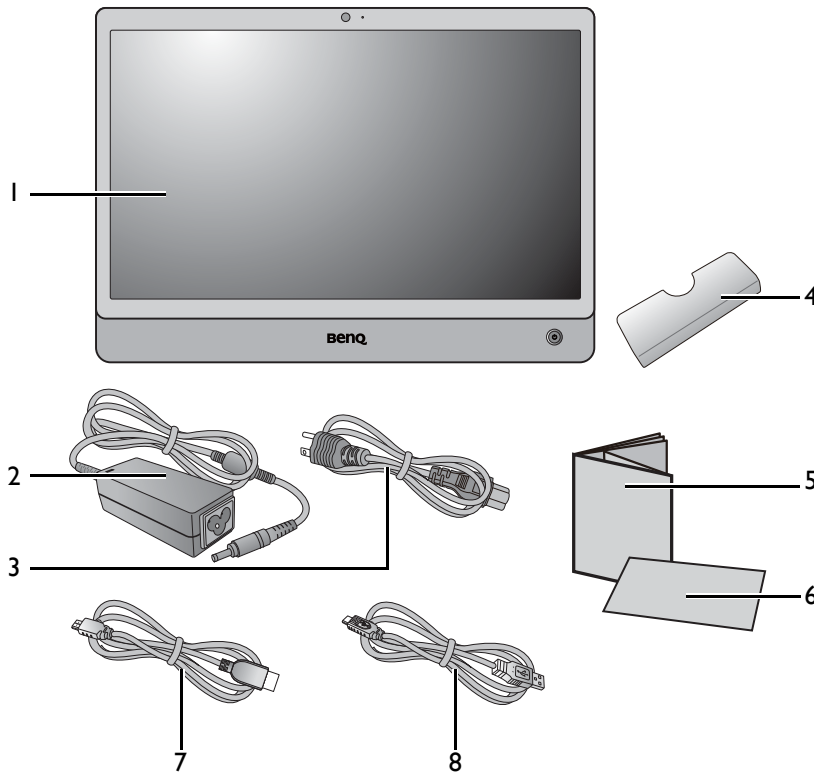
Signs

The usage of notes, tips, and warnings in this manual is specifically for different purposes, which are described as follows:

Icon	Item	Meaning
	Note	Supplementary information.
	Tip	Useful information for completing a task.
	Warning	Information mainly to prevent the damage to components, data, or personal injury caused by misuse and improper operation or behavior.

Box contents

When unpacking please check you have the following items. If any are missing or damaged, please contact the place of purchase for a replacement.



1. Smart display
2. Adapter
3. Power cord
4. Back cover
5. Quick Start Guide
6. Warranty card
7. HDMI to micro-HDMI cable (optional)
8. USB to micro-USB cable (optional)



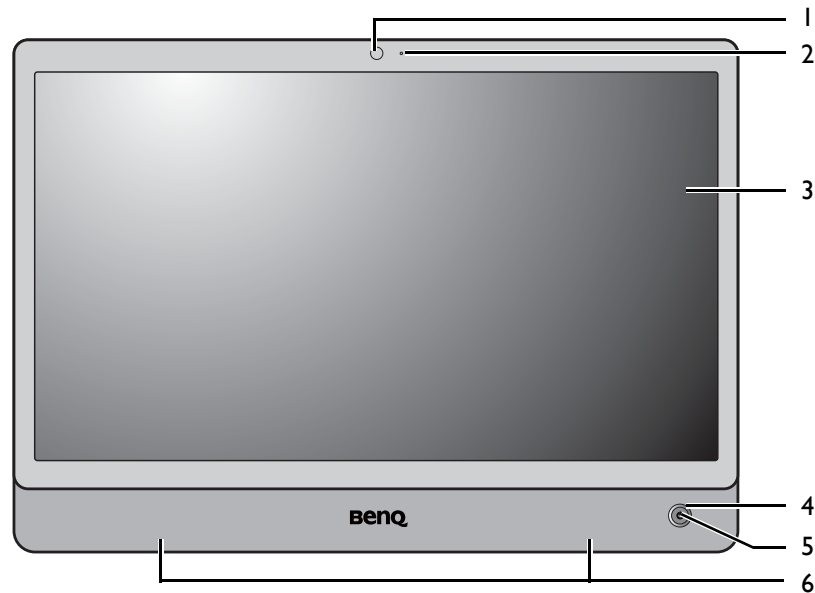
Consider keeping the box and packaging in storage for use in the future when you may need to transport the product. For cables/accessories that are not supplied with your product, you can purchase them separately.



- Available accessories and the pictures shown here may differ from the actual contents and the product supplied for your region.
- Use original accessories to ensure compatibility.
- Always keep the product and accessories out of reach of small children.

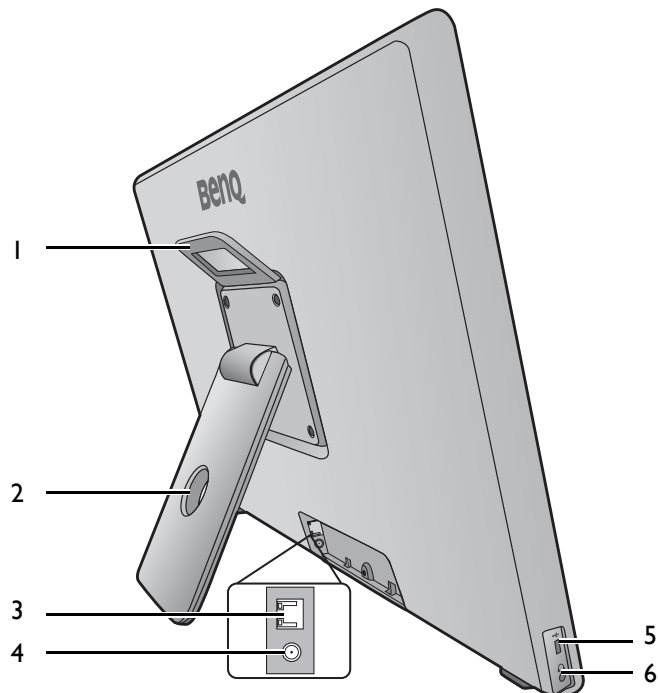
Product overview


Front view



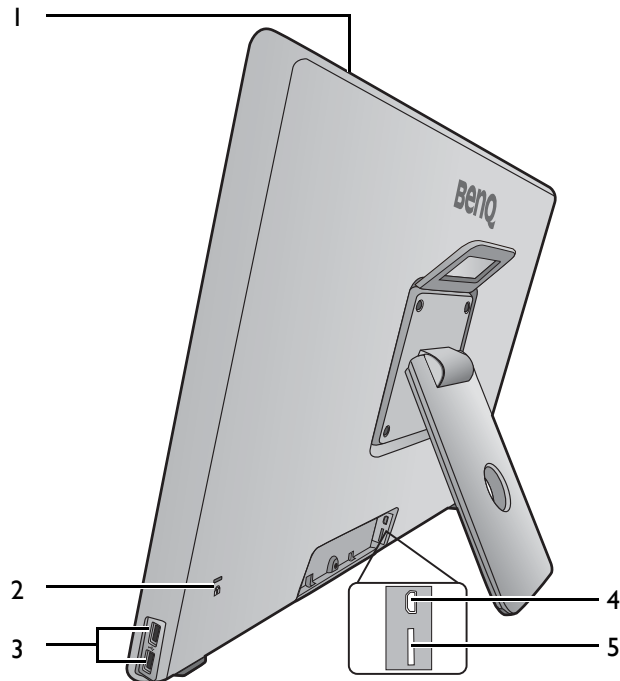
No.	Name	Function
1	Built-in webcam	A 1.2 megapixel built-in camera that allows you to hold a video conference, capture images, or record videos. See Using the built-in webcam on page 23 for more information.
2	Microphone	For online chat and voice typing.
3	Touchscreen	Use finger tip to tap or slide in order to select an item or perform an action. For more information, see " Using the touchscreen on page 19 ".
4	Power button	<ul style="list-style-type: none">• Press and hold the button for 3 seconds to turn on the smart display.• Press and hold the button for 4~5 seconds, and follow the on-screen instructions to turn off the smart display.• Press once to enable screen timeout and screen lock.• When the screen turns dark during timeout, press the button to exit.
5	Power button indicator	<ul style="list-style-type: none">• When the smart display is powered on, it lights up in green.• When the smart display is in Standby mode, it lights up in amber.• When the smart display is powered off, the light goes off.
6	Speakers	Plays out the sounds from multimedia files or operating system.





Rear-right view



No.	Name	Function
1	Handle	<ul style="list-style-type: none"> • Hold the handle to remove the smart display. • For wall mounting.
2	Cable management hole	For cable management.
3	LAN (Local Area Network) port (RJ-45 connector)	<p>Allows the smart display to connect to a 10/100Mbps fast Ethernet 100BASE-T network.</p> <p> There is only one direction to make the connection. Wrong or forced insertion may damage the connector or device.</p>
4	DC power input jack	Connects AC power supply to power the smart display.
5	Micro USB port	Transfers data between the smart display and the computer via a Micro-USB cable (purchased separately).
6	Audio output jack	Connects to an earphone/headset or external speaker for playing the audio files from the smart display.

Rear-left view



No.	Name	Function
1	Vents	<p>Dissipates heat and keeps your smart display at an optimal temperature.</p> <p> To prevent overheating, do not obstruct the vents.</p>
2	Anti-theft Kensington lock slot	<p>Attaches an anti-theft Kensington lock and cable to this slot to help prevent possible theft.</p>
3	USB ports	<ul style="list-style-type: none"> • Transfers data between the smart display and the computer via a USB cable (purchased separately). • Connects with the compatible USB devices, e.g. keyboard, mouse, or storage device. <p> Compatible with USB storage devices in FAT or FAT32 formats only.</p>
4	Micro-HDMI input jack	<p>HDMI (High-Definition Multimedia Interface) is the digital interface standard for connecting highdefinition (HD) consumer electronics components, which enhances the quality of your HD experience.</p> <p> The HDMI cable is optional for purchase.</p> <p> While playing music or video, do not insert or unplug the HDMI cable from the smart display.</p>
5	microSD card slot	<p>Files such as pictures, documents, and applications and e-books can be stored on the microSD card.</p>

Getting started

Your smart display is an All-in-one device that came with Android system. It can be switched to Display mode or as mass storage device as well. Different start-up procedures are required for these functions.

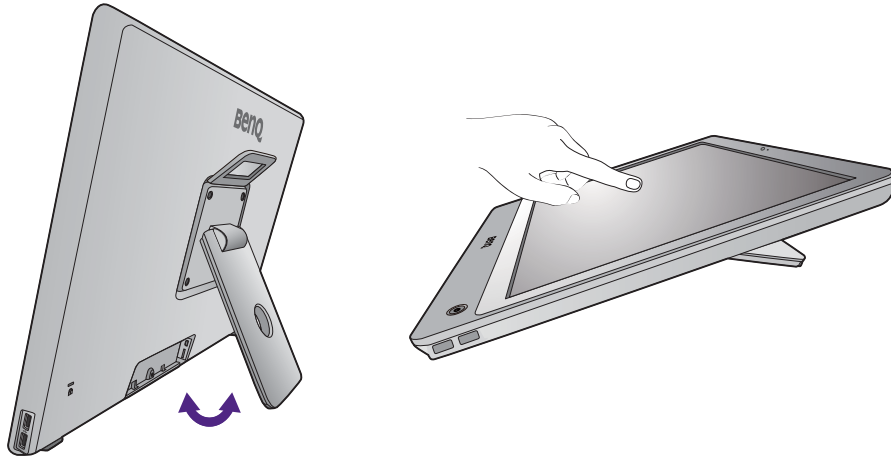
Functions	Procedures
All-in-one system	<ol style="list-style-type: none">1. Adjusting the angle on page 12.2. Connecting the power on page 12.3. Connecting to a network on page 13.4. Inserting the microSD card (to extend memory capacity) on page 14.5. Installing the back cover on page 15.6. Connecting other USB devices on page 16.7. Switching the smart display on/off on page 17.
Display mode	<ol style="list-style-type: none">1. Adjusting the angle on page 12.2. Connecting the power on page 12.3. Connecting the HDMI cable (optional) on page 13.4. Installing the back cover on page 15.5. Switching the smart display on/off on page 17.6. Performing computer's operations via the touchscreen on page 73.
Mass storage device	<ol style="list-style-type: none">1. Adjusting the angle on page 12.2. Connecting the power on page 12.3. Installing the back cover on page 15.4. Connecting the USB cable (for PC connection) on page 16.5. Working as a storage device on page 73.



Please be careful to prevent damage to the monitor. Placing the screen surface on an object like a stapler or a mouse will crack the glass or damage the LCD substrate voiding your warranty. Sliding or scraping the monitor around on your desk will scratch or damage the monitor surround and the Power button.

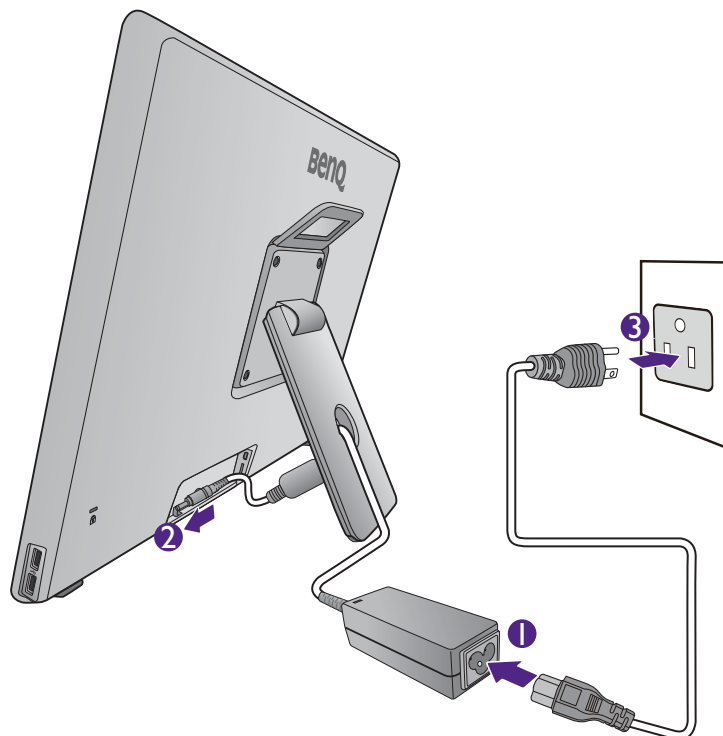
Adjusting the angle

Carefully lift the smart display and place it upright on its stand on a flat even surface. Position the smart display and angle the screen to minimize unwanted reflections from other light sources. Adjust the viewing angle as needed.



Connecting the power

1. Connect the power cord to the power adapter.
2. Connect the power adapter to the power jack on your smart display and route the cable.
3. Connect the power cord to a power outlet. The smart display is then supplied normally with power.




Power supply is only possible within a temperature range of 0 °C (+32 °F) to +40 °C (+104 °F).

Connecting to a network

You can choose to connect to a network via the built-in wireless connectivity of your smart display or a Ethernet cable.

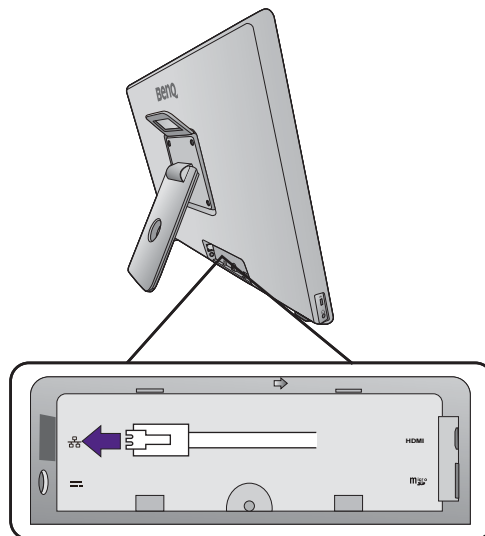
For more information and other network connectivity, see [Setting up Internet connection on page 26](#).

Connecting to a wireless network

1. Prepare the router and the network settings provided by your network service provider.
2. Make sure that Wi-Fi switch is slid to **ON** in  > **Settings** > **Wi-Fi**.
3. Configure your Wi-Fi setting properly. See [Activating Wi-Fi on page 26](#) for more information.

Connecting to Ethernet network

1. Connect a network cable (with RJ-45 connector, purchased separately) to the LAN port of your smart display.
2. Connect the other end of the network cable to your Ethernet switch. Contact your network service provider for the configuration.

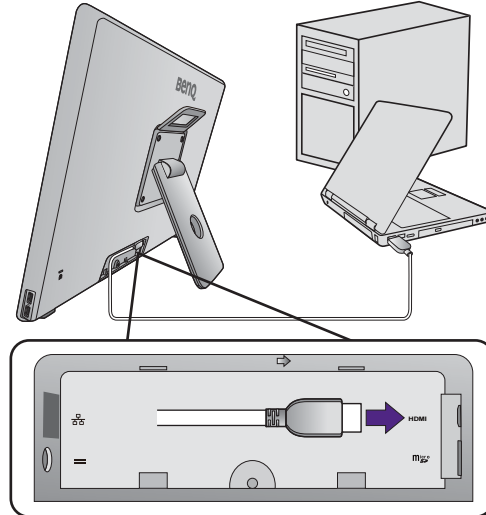



Connecting the HDMI cable (optional)

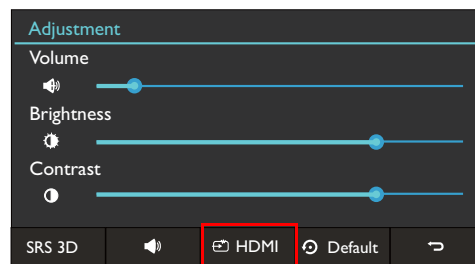
If you tend to use your smart display as a monitor and receives the signals from your computer, an HDMI cable (purchased separately) is required for connection between the smart display and the computer.

1. Connect the micro-HDMI connector of your HDMI cable to the micro-HDMI port of your smart display.

2. Connect the HDMI connector of the HDMI cable to the HDMI port of your computer.



3. Turn on the smart display. See [Switching the smart display on on page 17](#) for details. Wait until the smart display enters the main Home screen.
4. Tap  on the bottom-left of the screen, and tap **HDMI**. The smart display is now switched to Display mode and outputs video and audio signals from your computer.

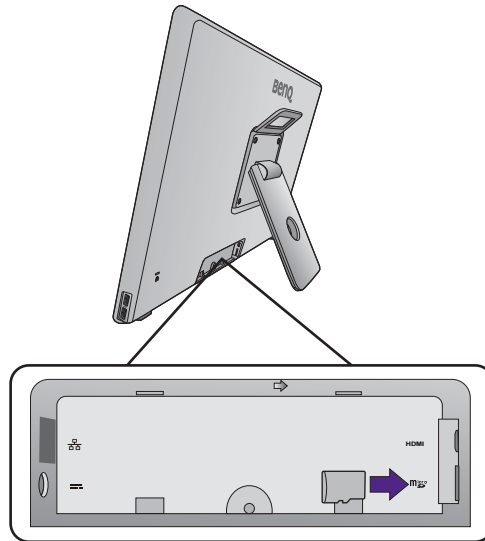


Inserting the microSD card (to extend memory capacity)

The microSD card significantly extends your smart display's memory capacity. This allows you to save picture/video files, sound recordings, etc. You can also use the microSD card to save any other files.


You can access the list of folders and files in  > **Files**. See [Files on page 62](#) for more information.

Insert a microSD card into the microSD card slot on the back of the smart display until it clicks into place. Ensure that the card's metal contacts face toward the back of the smart display.



Please follow the directions to insert the microSD card. Wrong or forced insertion may damage the microSD card slot or smart display.

Removing the microSD card

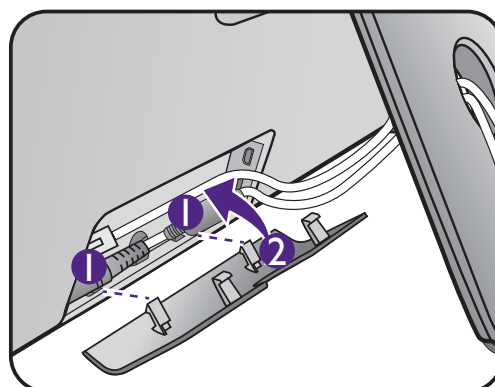
1. Unmount the microSD card first. Tap  > **Settings** > **Storage** > **Unmount SD card** > **OK**.
2. Remove the back cover (see [page 16](#)).
3. Push to release the microSD card.



Please follow the instructions to remove the microSD card. If the card is improperly removed, the stored data might be lost.

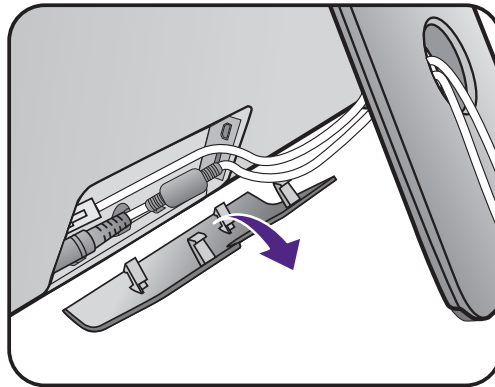
Installing the back cover

1. Once all the cable connections are done, insert the tabs on the inside bottom edge of the back cover into the slots on the bottom edge of the smart display.
2. Press the cover onto the smart display to lock in place.



Removing the back cover


Place your finger in the recess at the top edge of the back cover, and take the cover back off the smart display as illustrated.

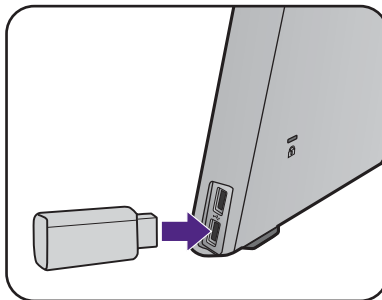


Keep the back cover somewhere safe for future use.

Connecting other USB devices

Your smart display supports connecting with other devices that are USB-compatible, e.g. USB flash drive (in either FAT or FAT32 format), keyboard, or mouse.

If a flash drive or storage drive is connected, you can browse the files on the connected device from  > **Files**.

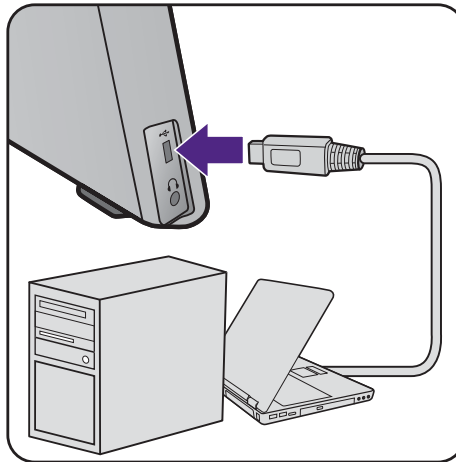


Connecting the USB cable (for PC connection)

Your smart display can connect to a computer and serves as a mass storage device. Once the connection is established, your smart display is shown as a removable device on the computer. You can then browse the files on your smart display from the computer. You can move the files from your smart display to the computer or vice versa.

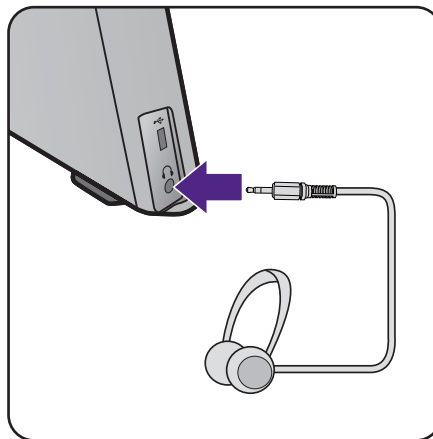
1. Connect the micro USB connector of an appropriate USB cable (purchased separately) to the micro-USB port of your smart display.

2. Connect the other end of the USB cable to the USB port of your computer.



Connecting headphones

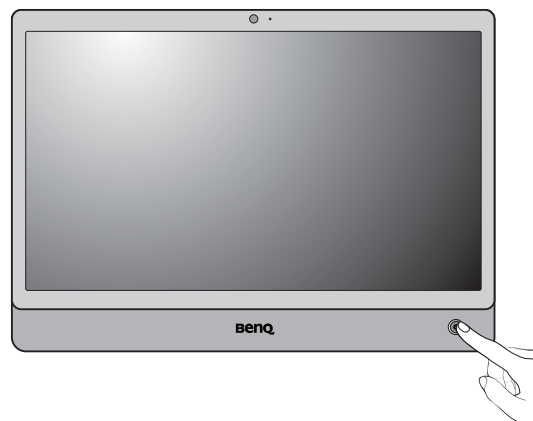
You may connect headphones to the headphone jack found on the left side of the smart display.



Switching the smart display on/off

Switching the smart display on

To turn on the smart display, press and hold the Power button for 3 seconds until the LED indicator lights up green.



The first time you switch on the smart display, you will be guided through a series of setup screens. [First time startup on page 19](#). It may take a while to power on the smart display for the first time before it enters the setup screen.

Switching the smart display off

To turn off the smart display, press and hold the Power button for 4~5 seconds, and tap **Power off > OK**.



Turn off the device properly by pressing and holding the Power button. Improper shut down (e.g. unplugging the power cord) may cause data loss.

Basic operations

First time startup

After you have connected the smart display to the power, you are ready to power on the smart display. The first time you power on the smart display, you will be guided through a series of setup screens. Follow the on-screen instructions or the steps below to start up your smart display and complete the initial setup.

1. Switch on the smart display as instructed in [Switching the smart display on on page 17](#). Wait for the smart display to boot up with the BenQ screen. This may take a moment.
2. Tap **Start** on the screen to begin, and set up the network, date and time, owner information, and Google Account (required for Google Services) as needed. Or you can skip some of these steps and complete the setup later.



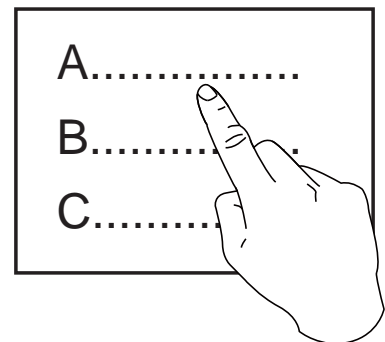
If you haven't logged in your Google account, you can still connect to a network and use all the applications except the Google Services on the smart display.

Using the touchscreen

You can use fingertip (may cause fingerprints on the screen though) to operate on the touchscreen. The following are some techniques you should know in order to operate the smart display efficiently.

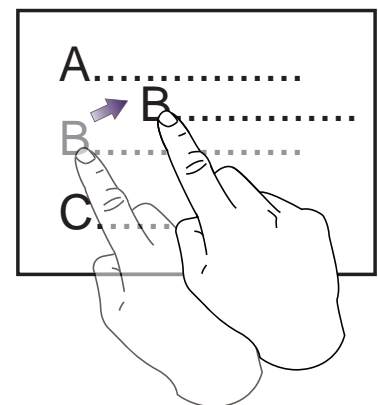
Tapping

To select an item or perform an action, touch the surface of the screen.



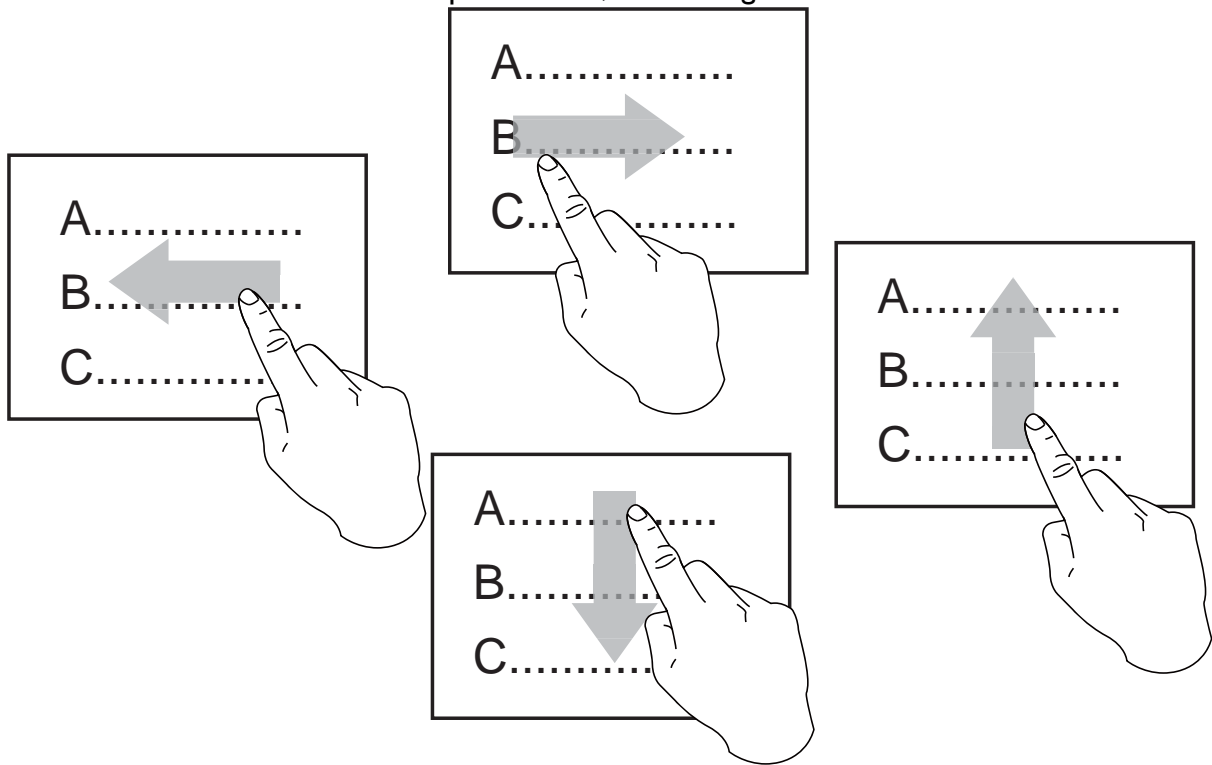
Moving

Hold and then move the item to be replaced.



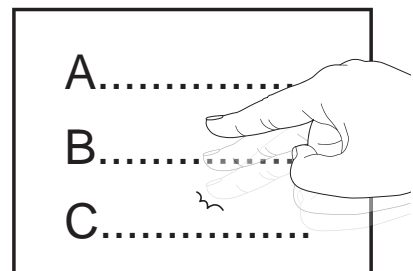
Sliding

You can slide across the screen up and down, left and right.

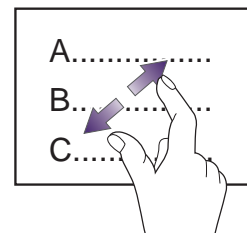
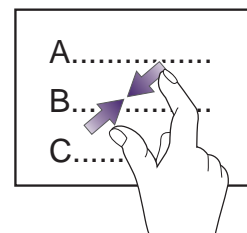


Zooming in or out

Tap twice on the screen increase or decrease magnification.



Alternatively, tap and drag on the screen you want to increase or decrease magnification with two fingers.












When you use the touchscreen panel, you must follow these instructions:



- Follow normal operation procedures and use proper tools to avoid the damage caused by user errors.
- Touch the panel with your finger to assure normal operation. Any sharp edged or hard objects are prohibited. Avoid applying excessive activation force or sudden impact on the panel surface.
- Prevent any kind of adhesive applied on the surface.
- Prevent using any kind of chemical solvent, alcohol, acidic or alkali solution.
- Use neutral detergent or silicone oil on a clean soft cloth to clean the panel surface.

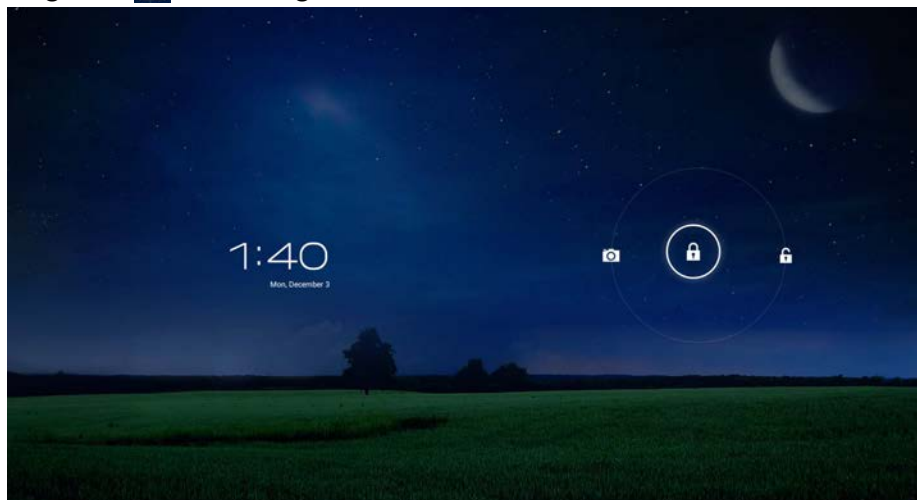
Navigating the menu

- Tap  to return to the main Home screen under any circumstances.
- Tap  to return to the previous screen or to exit the current application (available in some applications).
- Tap  from Home to access all the installed applications and widgets. Tap the **APPS** tab for all applications; tap the **WIDGETS** tab for all widgets. Available applications and widgets may vary depending on the product supplied for your region.
- (If available) Tap  on the top-right corner of the screen for more options for the current screen or application.
- Tap  > **Settings** for device settings.
- Depending on the current situation, enable a function by checking the checkbox or slide the on/off switch to **ON** ().
Disable a function by unchecking the checkbox or slide the on/off switch to **OFF** ().


Screen timeout

If the smart display is powered on and is not being operated by touching the screen for a while, the screen timeout will be activated. The touchscreen backlight will go off to conserve power and the touchscreen is locked. The system stands by for user input. Press the Power button to switch on the smart display again.

You also need to unlock the screen. Press the power button, then tap and hold  on the screen and drag it to  on the right.



To manually enable screen timeout, press the Power button.

The time the smart display takes to activate screen timeout may vary, depending on your setting in  > **Settings** > **Display** > **Sleep**.




- Screen timeout does not end any running tasks.
- Some applications will prevent the smart display from entering sleep mode if they are in use.

Device security

Secure your smart display with screen lock. See [Security on page 70](#) for more information.



Screen lock

When screen timeout is activated (see [page 21](#)), the screen is locked as well to prevent from inadvertent usage. To choose the way to unlock the screen, tap  > **Settings** > **Security** > **Screen lock**.

Text entry

Text input is possible by the onscreen keyboard, voice typing, and the connected keyboard.

When you use the applications on the smart display and need to enter words or numbers, tap the enter field on the screen. The onscreen keyboard appears. Depending on the current application, the keyboard of the same text input method may vary.

If you prefer to enter text by speaking, tap  or  next to the enter field.




To hide the on-screen keyboard, tap .




Tap the text field to bring up the onscreen keyboard if an USB keyboard is not connected to the smart display.

Changing the text input method

By default, there are several built-in text input methods available on the smart display and one of them is enabled. You can choose another text input method manually.

1. Tap  to go back to the main Home screen.
2. Tap  > **Settings** > **Language & input**.
3. Tap to deselect **Default** under **KEYBOARD & INPUT METHODS**.
4. Tap to select a desired input method.
5. Make sure that the related settings are properly made for the desired text input method in **Settings** > **Language & keyboard**. Tap  on the right end of each input method to for configuration.

Copying and pasting the selected texts

1. Tap and hold and select the texts you want to copy. A text selection toolbar is displayed.
2. Tap  to copy the texts.

3. Tap the field to paste the selected texts, and tap **Paste**.






The selected texts still temporarily remains on the smart display and can be pasted repeatedly.


Using the built-in webcam

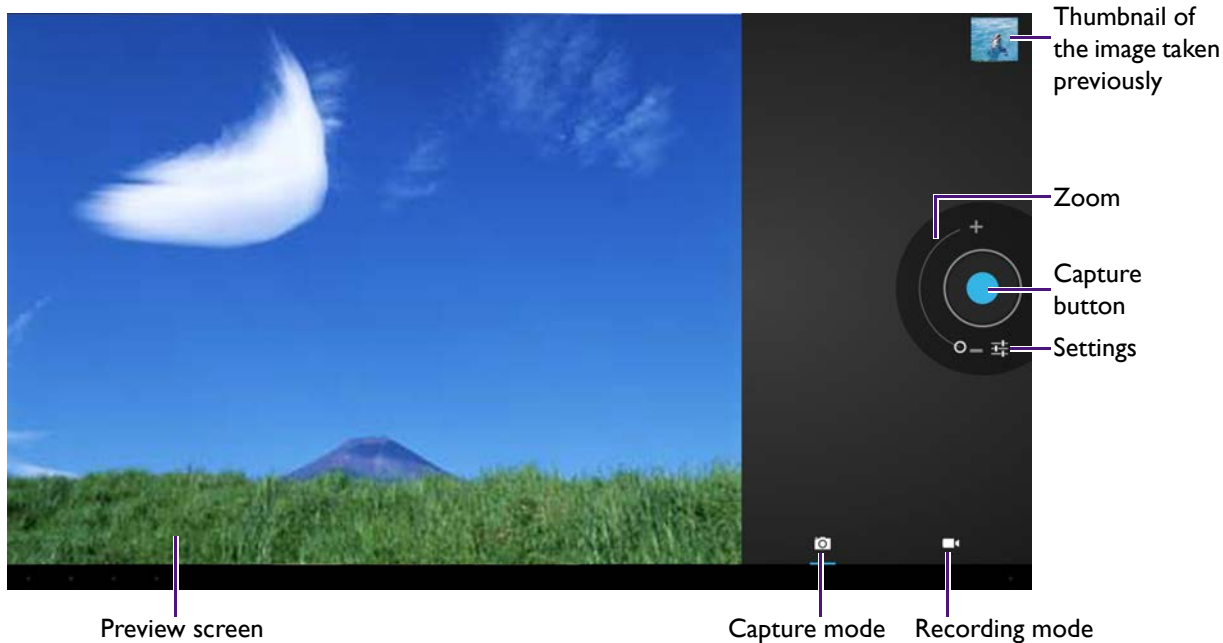
With the built-in webcam, you can capture still images, record videos, and chat online.


To launch webcam, do one of the following:





- If the screen is locked, tap and hold  on the screen and drag it to  on the left.
- Go to  > **Camera**.

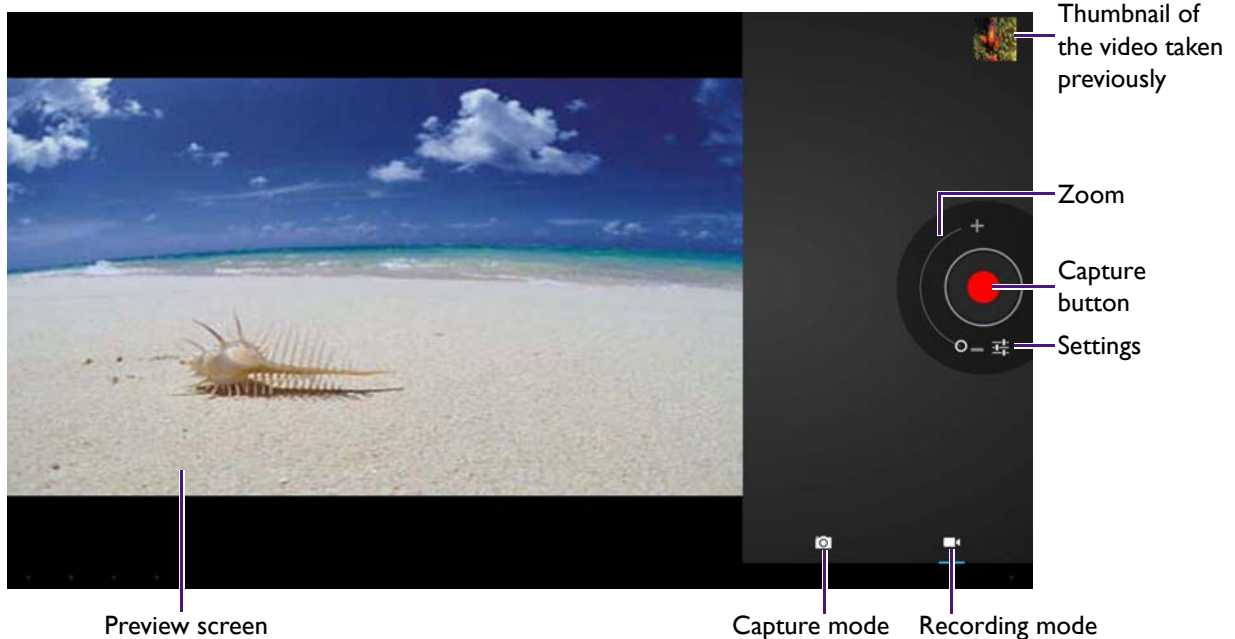
Capturing still images or recording videos


1. Launch the webcam. The webcam enters capture mode () immediately.





2. Tap  to take still images.

To switch to Record mode () , tap . Start the recording by tapping . Tap  to stop recording.








By default, captured images and videos can be accessed from  > **Files** > **Internal storage** > **DCIM** > **Camera**.

3. To adjust the zoom level, touch and drag the zoom lever on the screen.


Tap  for more webcam settings. Once the settings are done, tap  to exit.

Adjusting the volume

- Tap  on the bottom-left of the screen and scroll the bar under **Volume** to adjust system volume.
- To mute the smart display, tap  repeatedly on the Home screen until the green line is disappeared. To release mute, tap the icon again.
Alternatively, tap  on the bottom-left of the screen, and tap .
- During the playback of audio files, you can adjust the volume from the application.
- To enable/disable system sounds (touch sounds and screen lock sound), go to  > **Settings** > **Sound**.
- To control the smart display from your smartphone/tablet, adjust the volume according to the smartphone/tablet operations. See [Controlling wirelessly from your smartphone or tablet \(Could Remote\) on page 41](#) for details.

Checking the applications in use

Your smart display may have several applications running at the same time.


1. Tap  on the bottom-left of the screen to view a list of the latest used applications. It is recommended to have less than 5 running applications on the list.
2. To remove some of the items from the list, tap one and swipe left or right.

3. To end the applications in use, tap  > **Task Manager**. See [Task Manager on page 67](#) for more information.

 You can check the running applications/widgets from  > **Settings** > **Apps** > **Running**. Do not try to stop any running applications/widgets from here unless you are aware of the consequences.

Force shutdown

If your smart display does not respond to you, you may want to reboot. Power off the smart display properly as instructed in [Switching the smart display on/off on page 17](#).


 Turn off the smart display properly. Improper shut down (e.g. unplugging the power cord) may cause data loss.

Checking the system status quickly



The current system status is displayed on the bottom-right corner of the screen by status icons and notifications.

1. If any new icon is displayed, tap the icon to display notification list.
2. Tap the notification to launch **Settings** or corresponding application for further operation if necessary.

Updating software

Whenever a new version of software is available, you will be notified by the  icon in the status bar on the bottom-right corner of the screen. If the new software version becomes available, please follow these steps to upgrade your smart display.

1. Make sure that your smart display is connected to the Internet properly. See [Setting up Internet connection on page 26](#) for more information.
2. Tap the icon to bring up a list of notifications, and tap **System Update**.
3. Tap **Start** to download the updated software. It might take a while to finish the download.
4. Tap **Reboot** to reboot and start the update process. Once the update is done, the smart display will enter the main Home screen.

 • Alternatively, you can update the software manually from  > **System Update**.
• You can install the software version released by BenQ only. It is the sole responsibility of the user if problems (such as data loss and system failure) occurred due to non-factory installed software.

Restoring to the default settings

To restore to the default values will delete all data, the self-installed applications and settings on the smart display. Yet you can choose if you want to erase the data on the connected microSD card.

1. To restore to the default values, tap  > **Backup & reset** > **Factory data reset**.

2. The smart display will be powered on automatically. See [First time startup on page 19](#) for initial setup.



- It is strongly recommended to back up the important data on the smart display before you restore the smart display to the default values.
 - If you prefer to use the backup service provided by Google, tap **Settings** > **Backup & reset** > **Back up my data**. Network connection and your Google Account are required. Check **Automatic restore** as well so that when the applications are re-installed, the backed up settings or other data will be restored automatically.
-

Setting up Internet connection

Many of the applications on this smart display require network connectivity. With the access to the Internet you can browse the web pages and use network services. Make sure that the device connectivity is configured properly before activating these applications.

Your smart display supports Wi-Fi and Ethernet connections to Internet. Wi-Fi connection is recommended for all the services that require network connection. If both Wi-Fi and Ethernet are available to the smart display, Wi-Fi connection will be used by default.



- When the smart display does not require the Internet connection, disabling the connection can save the power.
 - You are charged for the amount of information you view, download, or send when you are connected to the Internet if you don't have an unlimited data plan. Check with your Internet service provider (ISP) for details.
 - Available connection methods may vary depending on your Internet service provider (ISP) or the product supplied for your country/region.
-


Activating Wi-Fi


Wireless Local Area Network (WLAN / Wi-Fi) lets your smart display connect to the Internet via a wireless access point.



- If Wi-Fi (instead of Ethernet) network is used to connect your DLNA products, make sure the Wi-Fi connection is stable enough to ensure smooth data transmission and playback.
 - Wi-Fi connectivity has limited range, depending upon the equipment being used, the chosen frequently band, radiowave interference, and the physical landscape (including building structure). Circumstances will vary depending upon your particular situation.
-

Establishing a Wi-Fi connection for the first time

1. Make sure that you are located within the wireless network service area.
2. Tap  > **Settings** from the Home screen, and slide the Wi-Fi switch to **ON** to activate the wireless connection. The smart display automatically detects and lists all available networks for connection.
3. Tap the desired network for connection. If the network is encrypted, a dialog box appears on the screen to ask for ID and password.



If you want to be informed of available Wi-Fi networks in range, tap  on the top-right corner of the screen and select **Advanced** > **Network notification**.

If you want to manually scan for available networks, tap **Scan** on the top-right corner of the screen.



4. After the connection is established, tap the name of the connected network to view the detailed information of the connected network.

Turning Wi-Fi on


Make sure that you are located within the wireless network service area.

- Tap  from the Home screen to turn Wi-Fi on. If the green line under the icon is displayed, the Wi-Fi network is activated.
- Alternatively, go to  > **Settings** from the Home screen, and slide the Wi-Fi switch to **ON**.


Turning Wi-Fi off

- Tap  from the Home screen again to turn Wi-Fi off. The green line under the icon will be disappeared.
- Alternatively, go to  > **Settings** from the Home screen, and slide the Wi-Fi switch to **OFF**.


Adding a new Wi-Fi network

1. Make sure that you are located within the wireless network service area.
2. Go to  > **Settings** from the Home screen, and slide the Wi-Fi switch to **ON**.
3. Tap **ADD NETWORK** on the top-right corner of the screen.
4. Enter the network SSID. If that network is encrypted, tap **Security** to set the encryption type. Contact your network service provider for the network information.
5. Tap **Save**.

Deleting a connected Wi-Fi network


1. Make sure Wi-Fi is enabled already.
2. In  > **Settings** > **Wi-Fi**, tap the network to be deleted.
3. Tap **Forget network** to delete the network from the list.


Connecting to the Ethernet network

1. Connect the smart display to the Ethernet network as instructed in [Connecting to Ethernet network on page 13](#).
2. Tap , and slide the Ethernet switch to **ON**.


Setting your smart display a hotspot for Wi-Fi connection


If you have other devices that came with wireless connectivity and cannot access any Wi-Fi network temporarily, you can connect the devices to the Internet using the smart display's connectivity.

1. Make sure that your smart display is connected to the Ethernet network. See [Connecting to the Ethernet network on page 27](#).
2. Tap  > **Settings** > **More**.

3. Name the network created by your smart display and secure it if needed in **Tethering & portable hotspot > Configure Wi-Fi hotspot**. A password is created automatically if the network is encrypted. Make sure to check **Show password** to display the password. This is helpful for the Wi-Fi connection afterwards.
4. Confirm with **Save**.
5. Check **Portable Wi-Fi hotspot**. Your smart display now becomes an access point for other devices to be connected to wirelessly.
6. Activate Wi-Fi on other devices, and scan for the new access point (i.e. your smart display). You may be prompted to enter the password when connecting to this Wi-Fi hotspot just set. Go back to  > **Settings > More > Tethering & portable hotspot > Configure Wi-Fi hotspot** to check the password. Once the connection is established, other devices can connect to the Internet through your smart display.

Once the hotspot is configured properly for the first time, you can toggle hotspot on or off quickly from the Home screen.

Tap  to toggle hotspot on. If the green line under the icon is displayed, the hotspot is activated.

Tap  to toggle hotspot off. The green line under the icon will be disappeared.



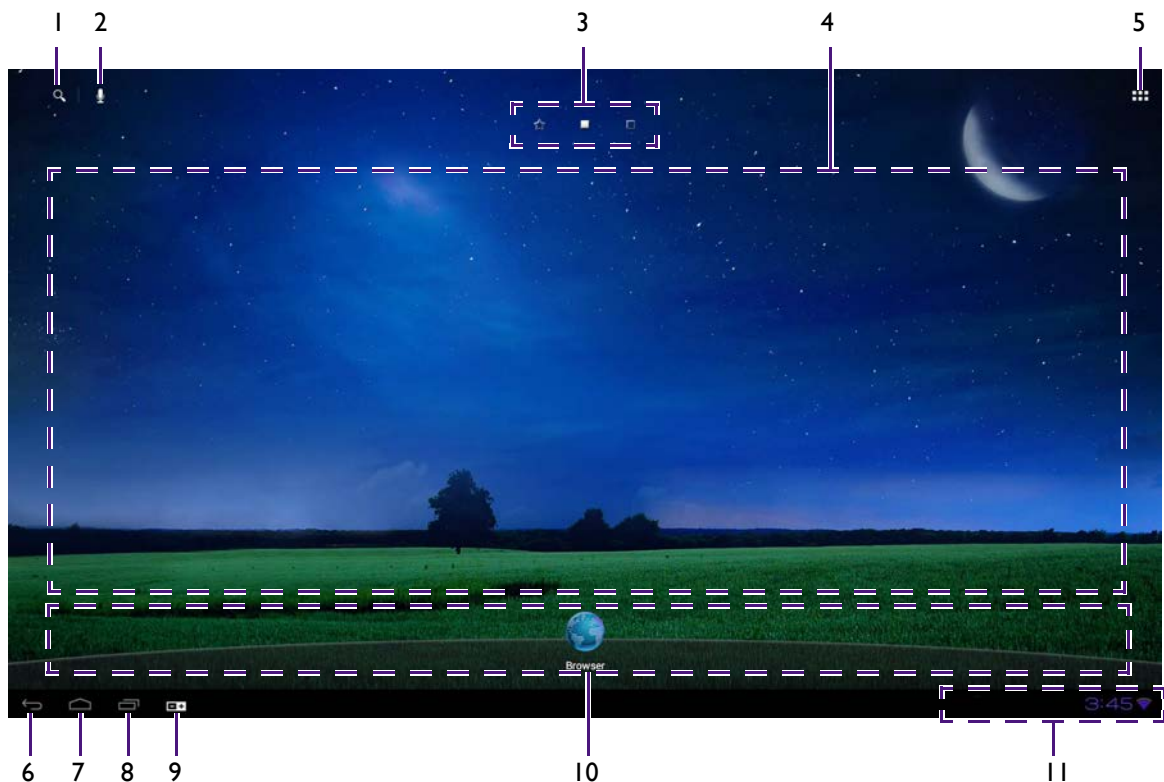
Wi-Fi is disabled automatically when hotspot is turned on.






The Home screens







You will enter the main Home screen after you have completed the first-time startup procedure. By default, there are 3 or 4 Home screens (depending on the product supplied for your region), and the main Home screen includes **Video Widget**. You can add new Home screens or manage applications and widgets to be accessed from the Home screens. You can have up to 9 Home screens.


Each of the Home screen includes two parts:





- application shortcuts and widgets that may vary depending to the product supplied for your region. See [Introducing main applications on page 45](#) for more information.
- navigation buttons (on the bottom-left part of the screen), the docking, status bar, and Home screen shortcuts that are permanent.



No.	Name	Description
1.	Google Search 	Brings up the Search field. When you tap the field, the onscreen keyboard appears to allow you type the file or contact name. You can use Speak search by tapping  .
		 Not available for all regions.
2.	Voice Actions 	Initiates the action by speaking.
		 Not available for all regions.
3.	Home screen shortcuts	These icons indicate how many pages of Home screen are available now. Tap one to go to the specific Home screen.

No.	Name	Description
4.	Application shortcuts and widgets	The space is open to application shortcuts and widgets. Available application shortcuts and widgets may vary depending on the product supplied for your region. See Customizing your Home screens on page 31 for more information.
5.	All Apps icon 	Accesses all applications installed on your smart display.
6.	Back 	<ul style="list-style-type: none"> • Returns to the previous screen. • In some applications: exits the application.
7.	Home 	Returns to the main Home screen from any circumstances.
8.	Recent apps 	Shows a list of applications that are launched. <ul style="list-style-type: none"> • Tap one of the listed applications to bring it up. • To remove one from the list, tap and swipe it left or right.
9.	OSD (on-screen display) settings 	Allows you to adjust volume, display brightness, display contrast, and switch between Display mode and Android system.
10.	Docking	Allows you to keep the frequently used applications for quick access.
11.	Notification area and Status bar	Indicates the current device status, available services, and notifications. <p> Available icons may vary depending on the applications you are running and the services available in your area.</p>

You can always return to the main Home screen from any application under any circumstances by tapping .

The icons on the bottom-left part of the screen ( /  /  / , also called navigation buttons) may fade away or become dots in some applications or if not used for a period of time. Tap the location of these icons to bring back the icons.

In the main Home screen, you can slide to the right or left for more Home screens, which provide more room for application shortcuts and widgets.

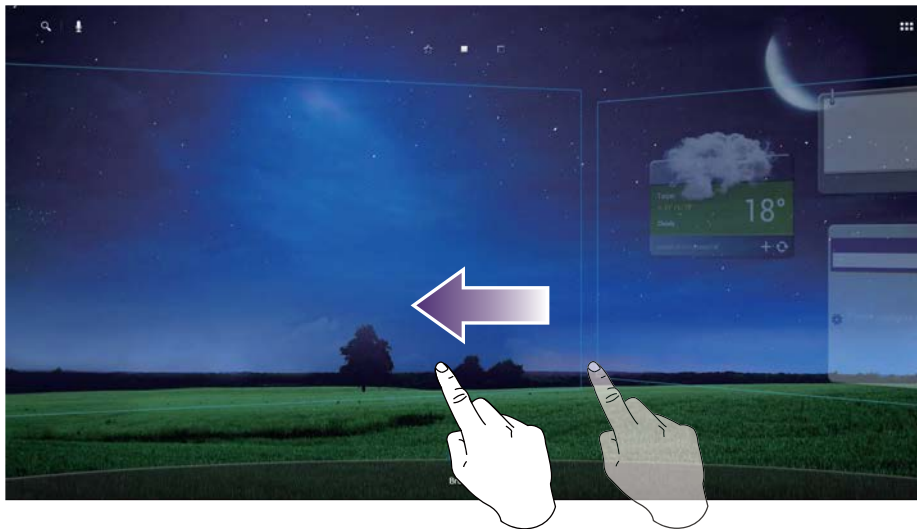
Switching to other Home screens

Switch to other Home screens by doing one of the following:

- tap the Home screen shortcuts on the upper part of the screen to go to the desired Home screen directly.

- slide your finger across the main Home screen to other Home screens.

Slide to view the screens on the right



Slide to view the screens on the left



Customizing your Home screens

You can customize almost all of your Home screens except the default one with **Video Widget** and **My Channels**. You can change the wallpaper, add or remove screens, and re-arrange the widgets and application shortcuts.




The Home screen with **Video Widget** and **My Channels** cannot be customized even if another Home screen is set as the new main Home.

Changing the wallpaper

1. Tap and hold an empty space on the Home screen to bring up the **Choose wallpaper from menu**.
2. Select an image source and the preferred wallpaper. And confirm with **Set wallpaper**.

Adding a new Home screen

You can have up to 9 Home screens.

On a Home screen, tap and hold the existing application shortcut/widget that you'd like to added to a new Home screen, and drag it to the far right end of the Home to the  just displayed. Now you have a new Home screen with the shortcut just moved.


Deleting a Home screen

You can delete extra Home screens from the right end. Remove all the application shortcuts and widgets from the Home screen to be deleted, and the Home will be deleted automatically. See [Deleting an item on page 33](#) for details.





The default Home screens came with your smart display cannot be deleted.

Setting a new main Home screen

The smart display enters a default main Home after it is powered on. Tapping  under any circumstances brings you back to the main Home as well. If you have customized a Home screen and would like to make it a new main Home, tap and hold the Home shortcut icon (on the upper part of the screen) that represents the desired main Home. A message **Set this page as home success!** pops up on the lower part of the screen, indicating that the setting has been changed.

Adding a new application shortcut or widget to Home

1. Go to the Home screen in which you wish to add application shortcut/widget to. Make sure there is space for the new item.
2. Tap  to view all the applications under the **APPS** tab or all widgets under the **WIDGETS** tab.
3. Tap and hold the icon of the application/widget to create its shortcut on the Home screen. The icon is added to the Home screen immediately.
If there is no empty space for the new shortcut, you must delete an item from the current Home screen, or slide to another Home screen and start with Step 2 again.
The item on the Home screen can be deleted while the application/widget is still available from .

Once a widget is available on the Home, you can enlarge it manually. Tap and hold the widget for a while and release it, a blue frame with 2 or 4 diamonds displayed. Tap and hold one of the diamonds and drag it to the desired position.

Creating a new folder

You can categorize the application shortcuts on the Home screens by creating folders, and name the folders as desired.


1. Tap and hold an application shortcut and drag it to another shortcut you'd like to put together until a blue circle appears. Now a new folder has been created for these applications.
2. Tap to open the folder, and the applications included are displayed. Tap **Unnamed Folder** to name the folder.
If a folder has been named already, you can tap to rename the folder.

3. You can move or delete a folder as you do to the shortcuts. You can ungroup the applications in the same folder by dragging them out of the folder one by one.



You can create folders for the application shortcuts on the Docking as well.

Deleting an item

Items on the Home screen are application shortcuts, widgets, or folders and can be deleted while the applications/widgets are still available on your smart display from .

To delete an item, tap and hold the item until **X Remove** is displayed on the upper part of the screen, and drag the item to it.

Moving an item

To move an item, tap and hold the item and drag it to the desired location, Home screen, or folder.

Managing the docking

The docking on the lower part of the Home screen includes several application shortcuts that are displayed on each of the Home screen page. You can customize the docking by managing the application shortcuts inside.

Once the application shortcuts are available on the Home, you can drag them to the docking. You can manage the docking by adding or deleting the shortcuts, or create folders for them.

Connecting with the family (Family Board)



You must establish the Internet connection before use.

Your smart display features **Family Board**, which is a bulletin board to share information with the family. With **Family Board**, you can do the following:

- Share or view the images/video clips with the family.
- View the personal calendar and the family calendar.
- Leave notes or read the messages posted by the family

See [Family Board on page 56](#) for more information.




Connecting to personal entertainment center

Watching video clips online



You must establish the Internet connection before use.

After the smart display is powered on and enters the Home screen, you are ready to enjoy watching video clips online. You are provided with **Video Widget**, which brings you the latest videos available on the preset video-sharing website.




- Tap any of the videos to watch.
- Tap  to find the latest videos available on the website.
- Tap  to bookmark a video.
- Tap  for more videos from different categories.



The preset video-sharing website on your smart display may differ by region and cannot be changed.

Switching to my favorite channels

You can select some of your favorite applications and websites and create shortcuts for them for quick access from the default main Home.

1. In the default main Home, tap  in **My Channels**.
2. Tap , and choose a type of shortcut.
Select **App** to view a list of installed applications. Check the desired applications and tap **OK**.
Select **Web link** to enter the desired website address in the text field. Tap the arrow on the right of the text field to bring up a thumbnail of the webpage. And tap **OK**.
3. The last 7 channels just set will be displayed on the default main Home. If you have more than 7 favorite channels, tap  to view all.

Connecting with your contacts

The contacts saved on your smart display are synced with your e-mail account(s) provided by certain service providers. Supported accounts may vary depending on the product supplied for your region.


Managing your contacts

 > **People**

As your contact list goes long, **People** is a syncing tool to manage your contacts from different accounts and groups. You can set up and save contacts' information for immediate communication and search.

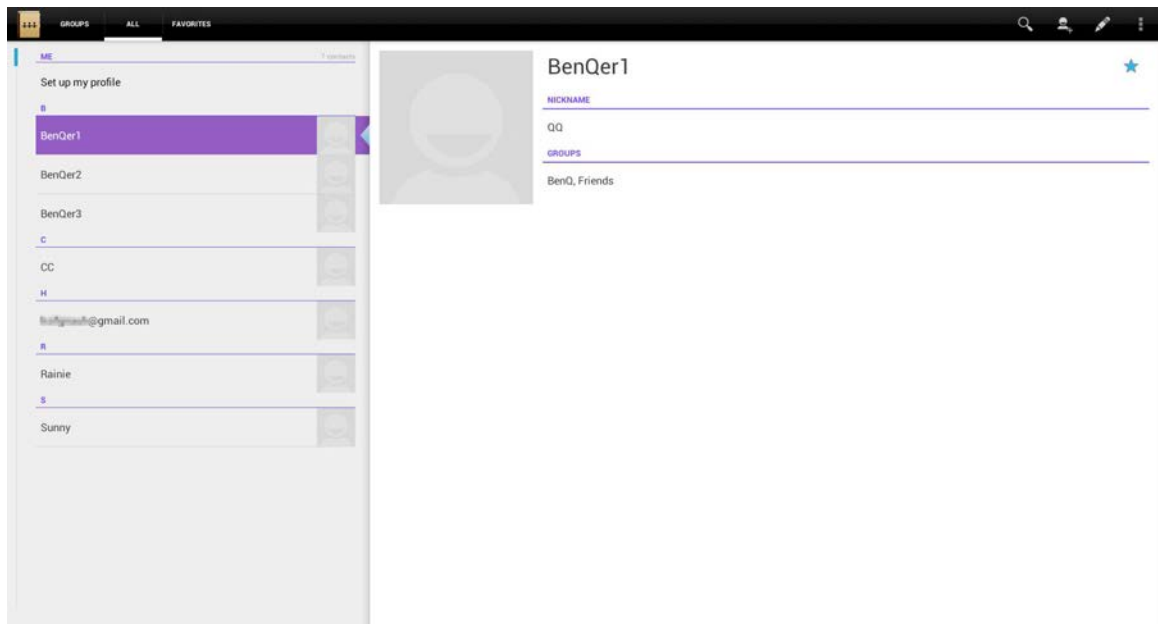
Note that you can launch **People** by any account and create new contacts for them, but only the contacts from the Google accounts can be synced between the local device (i.e. smart display) and the web. Contacts for the accounts other than Google will be saved on the local device only. While adding a new contact, different fields will be available depending on the save location.





- You must establish the Internet connection before use.
- If you have removed all the accounts from  > **Settings** > **Account & sync**, you will be asked to add a account again when activating **People**.

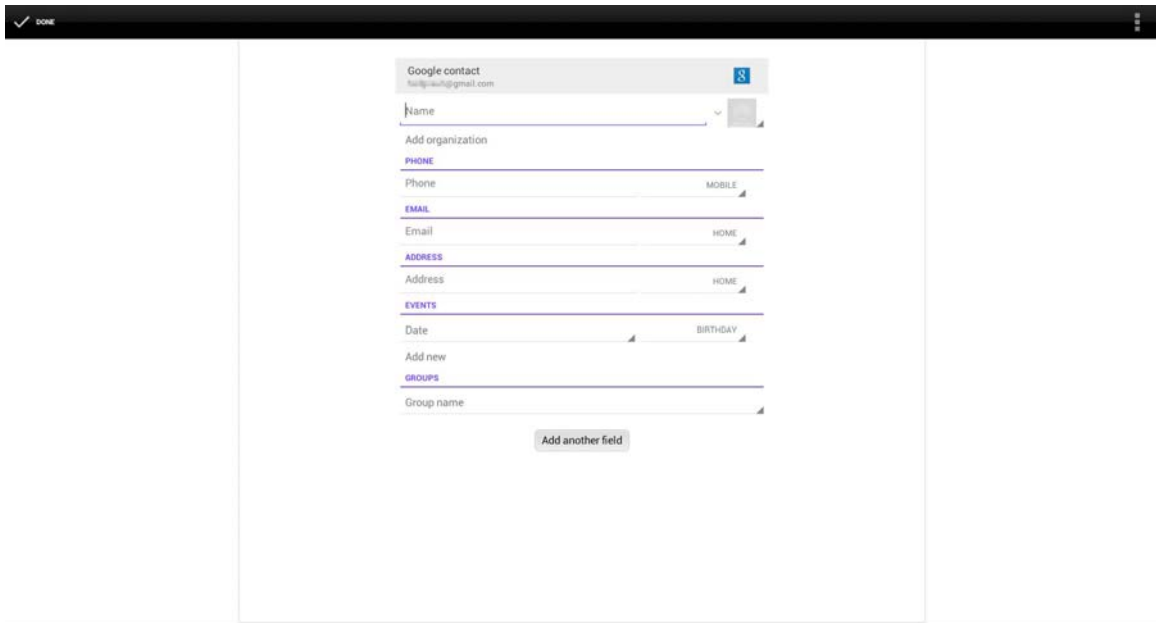
-
1. Log in your Google Account.
 2. Make sure you have enabled the synchronization of contacts in  > **Settings** > **Accounts & sync**.

3. Go to  > **People**. All the contacts in your Google Account will be displayed. Edit, add, or delete your contacts on your smart display and the updated information will be synced to the web.



Adding a new contact

1. In **People**, tap .
2. If you have added one Google account to the smart display, you will be prompted by a message, asking whether you want to save this new contact to the current account. Tap **OK** to proceed.
If you prefer to save the new contact to another account, tap **Add new account** to create one.
If you have added more than one account, you will be asked which account you prefer to add the new contact to. Tap one to proceed.
3. Tap the desired data fields and fill in the fields. And tap  (**Done**) to save and return to the **People** screen.





The screenshot shows the 'Google contact' creation interface. At the top, there is a 'DONE' button with a checkmark. The form itself is titled 'Google contact' and includes a small profile picture icon. The fields are organized into sections: 'Name' (with a dropdown arrow), 'Add organization', 'PHONE' (with sub-fields 'Phone' and 'MOBILE'), 'EMAIL' (with sub-fields 'Email' and 'HOME'), 'ADDRESS' (with sub-fields 'Address' and 'HOME'), 'EVENTS' (with sub-fields 'Date' and 'BIRTHDAY'), 'Add new', and 'GROUPS' (with sub-field 'Group name'). At the bottom of the form, there is a button labeled 'Add another field'.

Adding a new account





People helps to combine contacts from different accounts so you can manage these contacts easily.

If you prefer to add a new account when adding a new contact in **People**, follow the on-screen instructions to complete the setting. Alternatively, refer to the following procedures to add a new account from **Settings**.

1. Go to  > **Settings** > **Account & sync**.
2. Tap **ADD ACCOUNT** on the upper-right corner of the screen, and select a service provider.
3. Follow the on-screen instructions to complete the setting. You might want to activate the synchronization of all data at this point. Or you can manually change the sync status of the selected account later from  > **Settings** > **Account & sync**.

Managing contacts from different accounts

If you have synced all the contacts from different accounts on the smart display, you can manage them in **People**.



- Tap the **ALL** tab in **People** to view all the contacts from different accounts.
Tap the **GROUPS** tab to view contacts of different groups if specified when creating each contact. You can manually create a new group by tapping  and adding contacts from the list.
Tap the **FAVORITES** tab to view the contacts that are marked with .
- Slide up or down the purple bar on the left to view the contact list.
- To search for a contact, tap .
- To modify the contact information, tap the contact to be modified and tap  to edit.

Syncing personal updates with your friends (Friend Book)

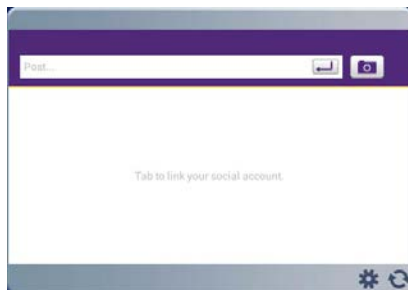
You are provided with a social network widget named **Friend Book**, which keeps you and your friends posted online.


Friend Book retrieves updates from several social network services. Available networks may vary depending on the product supplied for your region.

Receiving updates from your contacts

1. Tap **Friend Book** from the Home screen. To launch it for the first time, you will be asked to add a social network account. Follow the on-screen instructions to add one or more social network accounts. Make sure **Sync Contacts** is enabled.
2. After the configuration is complete, tap  > **Friend Book**.
3. Tap , and choose which networks you'd like to receive updates from.



4. Tap **Done** to save. Now you can see the most up-to-date information just posted by your friends.



Alternatively, you can check your friends' updates from **People** if corresponding social network accounts are added and enabled. Go to  > **People** > the **News** tab.

Keeping your friends posted online

With **Friend Book** you can keep your contacts from the signed-in social networks posted on your status as well.

- Tap the text field to enter texts, and tap  to write a post.
- Tap  to take a new picture using the built-in webcam or choose an existing image from **Gallery**. You can add your comment on the selected image as well. And then tap **Share**.

Connecting with other media devices

Playing multimedia files between different media devices (through DLNA)

Your smart display allows interoperability with other media devices that support Digital Living Network Alliance (DLNA) within the same home network (wired or wireless). With the DLNA compatibility standards, your smart display is able to receive and play video/audio/image files from other media devices, or vice versa, without any cable connection.

This feature is particularly helpful when


- your media source and the media player (i.e. your smart display) are not on the same device, or
- the media files are stored on a device with smaller screen and the playback on a larger screen is desired.



- If Wi-Fi (instead of Ethernet) network is used to connect your DLNA products, make sure the Wi-Fi connection is stable enough to ensure smooth data transmission and playback.
- While the playback control is performed remotely from a different device, pay attention to the control range. Wi-Fi connectivity has limited range, depending upon the equipment being used, the chosen frequently band, radiowave interference, and the physical landscape (including building structure). Circumstances will vary depending upon your particular situation.

Transferring media files to smart display for playback

Your smart display is a DLNA-compatible player for playback of media files from other DLNA-compatible media devices within the same home network. You can control the playback from one of the media devices while all applications on the smart display are still available to you.

1. Make sure the smart display and your media device for file sharing are powered on.
2. Make sure the smart display and your media device are within the same home network and the network connection is enabled.
3. Tap  from the smart display's Home to enable DLNA service. If the green line under the icon is displayed, the service is enabled.
4. Make sure an appropriate DLNA application has been installed on the media device to transfer files. You can download one of the DLNA applications from the application store that can be accessed from your media device. Different applications may be available depending on the operating system of your media device.
5. Launch the DLNA application on your media device. The on-screen display and the interface may vary by application.
6. Choose a media source (i.e. where the media files are stored).
7. Choose your smart display as the player.
8. Select one of the media files (with supported file format) stored on your media device to be played on the smart display.
Your media device is now a media source as well as a remote control for the playback on the smart display. You can now control the playback from either your media device or smart display.





To adjust volume from your media device, follow the original volume adjustment procedure on the media device.

Transferring media files from smart display for playback





Your smart display allows you to transfer the media files stored on any memory that can be accessed from the smart display (e.g. the internal memory, the connected microSD card, or the connected mass storage devices) to other DLNA-compatible devices for playback. The operation is possible through the built-in applications: **Music Share** and **Video Share**.

1. Make sure the smart display and your media device for file sharing are powered on.

2. Make sure the smart display and your media device are within the same home network and the network connection is enabled.
3. Tap  from the smart display's Home to enable DLNA service. If the green line under the icon is displayed, the service is enabled.
4. Make sure an appropriate DLNA application (with DMR function) has been installed on the media device to receive files. You can download one of the DLNA applications from the application store that can be accessed from your media device. Different applications may be available depending on the operating system of your media device.
5. Choose the files to be played on your media device from **Music Share** or **Video Share** on the smart display, and tap .
6. Your smart display scans for available DLNA players. Choose the desired media player.
7. On smart display, tap and drag the media files to the selected media player. The playback will start on your media device immediately. You can now control the playback from either your media player or smart display.

Controlling wirelessly from your smartphone or tablet (Could Remote)

If remote control of the smart display is preferred, it is possible with your smartphone or tablet that is equipped with touchscreen.

1. Make sure your smart display is powered on and connected to the Internet.
2. Tap  to enable remote control service. If the green line under the icon is displayed, the service is enabled.
3. Tap  > **BenQ Recommend**, and then select **Cloud Remote** and **Download**.
4. Select a application that is compatible with the operation system of your phone/tablet. You can choose to install the application of **Cloud Remote** on your phone/tablet through QR code or **Browser**.
5. If QR code is selected, aim the camera lens of your phone/tablet at the QR code to download the application directly. Alternatively, send the link to application through e-mail. Receive the e-mail on your phone/tablet, and access the application by clicking the provided link.
6. Launch **Cloud Remote** on your phone/tablet.
7. You are requested to enter IP address of the connected smart display. Check the IP address of smart display from  > **Settings** > **Wi-Fi** >  (on the top-right corner) > **Advanced** > **IP address**. Input the IP address to your phone as requested, and select **Connect**. Your phone now becomes the remote control of smart display.





If Internet connection through Wi-Fi is not available to smart display, you can set smart display as a Wi-Fi hotspot (see [Setting your smart display a hotspot for Wi-Fi connection on page 27](#) for details).

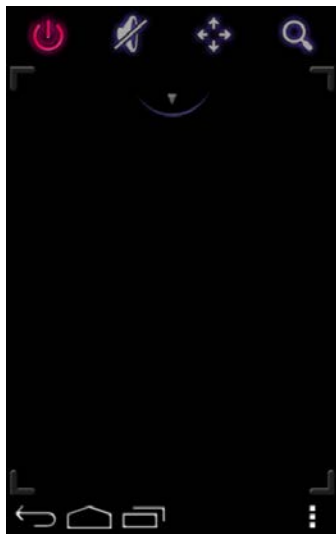
Basic controls from the phone/tablet

Once the connection between smart display and your phone/tablet is established, you can control smart display by touching the middle of your phone/tablet screen. A cursor on the smart display screen moves with your finger tip(s); you can scroll through the phone/tablet screen as if on the smart display screen.

You are provided with 2 ways of controls from the phone/tablet: touch pad and navigation keys.

- Tap  on the top-right corner of your phone/tablet screen to bring up the navigation keys.
- Tap  on the top-right corner of your phone/tablet screen to switch back to the touch pad.

Touch pad












Navigation keys



With navigation keys, there will be no cursor scrolling through the smart display screen.

Some gestures might be different from your direct operations on the smart display. See the following table to get yourself familiar with these gestures.

Operations on smart display	Controls from the phone/tablet
Go back to the main Home screen	Tap  on the bottom-left of your phone/tablet screen.
Return to the previous screen	Tap  on the bottom-left of your phone/tablet screen.
Check the recently used application	Tap  on the bottom-left of your phone/tablet screen.
Bring up the option menu	Tap  on the bottom-right of your phone/tablet if the option menu icon is displayed on the smart display.
Bring up the context menu	Tap and hold the screen with 2 fingers.

Operations on smart display	Controls from the phone/tablet
Switch to different Home screens/pictures	<ul style="list-style-type: none"> • With touch pad: swipe left or right with 2 fingers. • With navigation keys: tap  / .
Switch to different menu items	<ul style="list-style-type: none"> • With touch pad: swipe up or down. • With navigation keys, tap  or .
Select	<ul style="list-style-type: none"> • With touch pad: move the cursor to the icon and tap. • With navigation keys: tap .

Creating your BenQ account for BenQ services

A BenQ account is required to obtain cloud services provided by BenQ. You can have one BenQ account only for a BenQ product. If you have launched any of the BenQ cloud services on the smart display and logged in successfully for the first time, your BenQ account is created.


Main services that require BenQ account are:

- **BenQ Cloud.** See [BenQ Cloud on page 47](#) for more information.
- **Family Board.** See [Family Board on page 56](#) for more information.

Tap to launch the application. You are requested to input your e-mail address. The first e-mail address used to log in becomes your BenQ account.

Checking the available space on the BenQ servers

Depending on the applications and services, you may be provided with free storage space on different BenQ servers.

1. Go to  > **Settings** > **Account & sync**.
2. If you have signed in **BenQ Cloud**, your BenQ account is created automatically in **Settings** > **Account & sync**.
If you haven't signed in **BenQ Cloud**, you need to create your BenQ account manually in **Settings** > **Account & sync** in order to find the account information.
Tap your BenQ account (with a BenQ logo next your e-mail address), and tap **Account Info**. Check the available space for the BenQ cloud services and **Family Board**.

Synchronizing with your Google Account





You must establish the Internet connection before use.

Available Google services may vary depending on the product supplied for your region.

You must sign in your Google Account to enjoy the Google services on your smart display, such as **Gmail**, **Google Calendar**, and other Google applications, or back up your settings to Google servers.

You can download more applications from the online application store.














To view the account information and sync settings, go to  > **Settings** > **Accounts & sync**.












1. Sign in your Google Account in the first-time startup procedure or before you use the one of the Google applications for the first time. Follow the on-screen instruction to finish setup on your smart display. Create your Google Account if you don't have one.
2. Configure the account synchronization options from  > **Settings** > **Accounts & sync**. Under the activated account, tap the information you want to sync. Alternatively, tap  (on the top-right corner) > **Sync now** to sync all data.
3. When you sign in, all your information, contacts, messages, or events from the Google applications and services are synchronized with your smart display. You can now use the Google mobile services.

Introducing main applications


You are provided with some pre-installed applications; available applications may vary depending on the product supplied for your region. You can obtain more from the online application store.

You can create the application shortcuts on the Home screen. Here is a list of the main applications.

Icon	Name	Description
	BenQ Recommend	Provides applications recommended by BenQ.
	BenQ Cloud	Provides free storage space on the BenQ server. See BenQ Cloud on page 47 for more information.
	Browser	Accesses the web sites. See Browser on page 49 for more information.
	Calculator	Provides a tool to solve arithmetic and equation problems. See Calculator on page 52 for more information.
	Calendar	Browses and edits the calendar. See Calendar on page 53 for more information.
	Camera	Takes pictures and video clips. See Using the built-in webcam on page 23 for more information.
	Clock	Displays time and sets alarm. See Clock on page 54 for more information.
	Downloads	Browses and accesses all the downloaded files.
	Email	Receives and sends e-mails. Supports 3 types of emails: POP3, IMAP and Exchange. See Email on page 55 for more information.
	Family Board	Allows you to share pictures and calendars with the family, or leave messages. Members of the same family board can access the same information from different devices once the compatible version of application is installed. See Family Board on page 56 for more information.
	Files	Manages files stored on the internal memory and the connected storage devices. See Files on page 62 for more information.
	Gallery	Browses the images stored on the internal memory or the connected storage devices. See Kingsoft Office on page 63 for more information.
	Gmail	Receives and sends e-mails via your Gmail account.

Icon	Name	Description
	Kingsoft Office	Reads and edits the files in Office formats, including *.doc, *.txt, *.xls, and *.ppt. See Kingsoft Office on page 63 for more information.
	Music Share	Plays and shares audio files. See Music Share on page 64 for more information.
	News & Weather	Shows the news and the weather.
	People	Edits, searches and displays contacts. See Connecting with your contacts on page 35 for more information.
	Play Store	Allows you to buy applications online.
	Search	Searches the keywords.
	Settings	Adjusts the settings of both device hardware and software. See Settings on page 69 for more information.
	SystemUpdate	Downloads and installs the latest software version.
	Task Manager	Browses and manages all currently running applications. See Task Manager on page 67 for more information.
	Video Share	Plays and shares video files. See Video Share on page 68 for more information.
	YouTube	Views video clips online.



- You can create application shortcuts on the Home screens. See [Adding a new application shortcut or widget to Home on page 32](#) for more information.
- You can install new applications through the online application store or the connected storage device.
To install from the connected storage device, go to  > **Settings** > **Security**, and check **Unknown sources**. Locate the new application in .apk format through **Files**, and click the APK file to start installation.
- The applications can be added or deleted, but the pre-installed applications cannot be deleted or uninstalled.
- The applications on the smart display are arranged in an alphabetical order and may be re-arranged again whenever a new application is installed.

BenQ Cloud

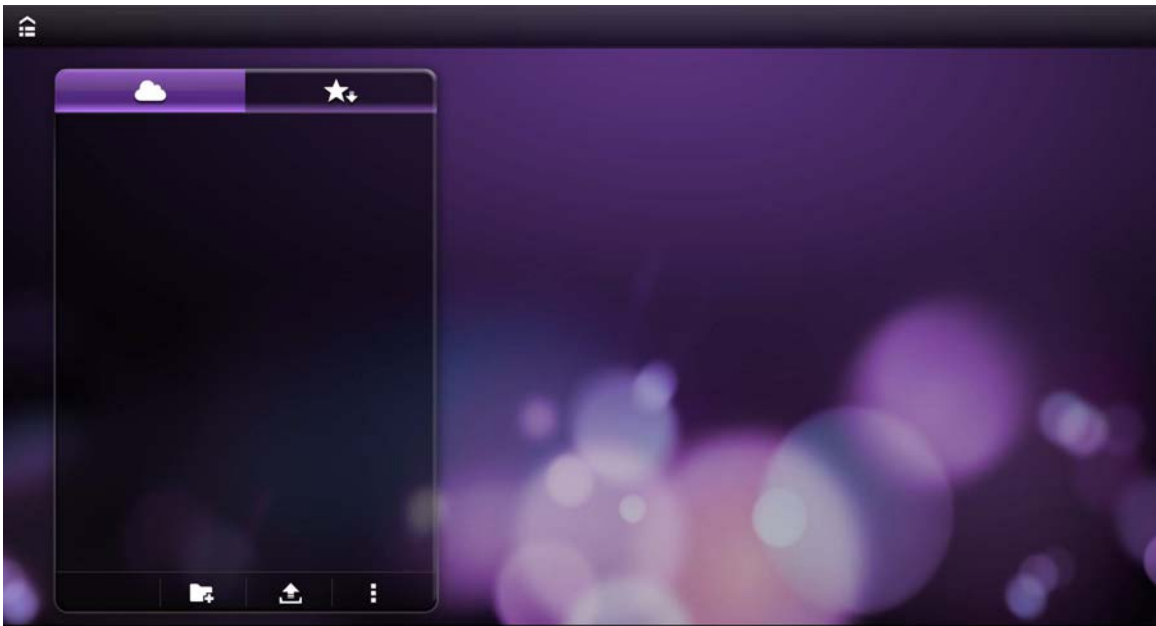
> BenQ Cloud

Sign in **BenQ Cloud** with your BenQ account to obtain free storage space up to 2 GB on the BenQ cloud server. You can view, manage, and share the files on the cloud server.




- Files uploaded by **BenQ Cloud** and **Family Board** are stored on different server space and are not synced.
- Available options may vary depending on the file type.

1. Input your BenQ account and password. See [Creating your BenQ account for BenQ services on page 43](#) for more information.
2. Tap **Sign In**.





Uploading files to BenQ cloud server

1. Enter the folder that you want to upload the files to.
2. Tap  to select a storage device. All the files stored on the smart display and the connected storage devices can be uploaded.
3. Scroll up or down the list or tap the arrow next to each folder for the files to be stored on the BenQ cloud server.
4. Check the files to be uploaded, and tap **Upload**. It may take a while to complete the upload process.





To check the available space on the cloud server, you can do one of the following:



- Tap  to check Usage on the bottom-left corner of the screen.
- Go to  > **Settings** > **Account & sync**. Tap your BenQ account (with a BenQ logo next your e-mail address), and tap **Account Info**.

Viewing files online and offline

Once the files are uploaded, you can view the files online (network connection required) or offline (network disconnected) if appropriate applications are installed.




- Tap  to switch to offline view (available with or without network connection).
- Tap  to switch back to online view (with network connection enabled).

Viewing files online

1. Make sure the smart display is connected to the Internet.
2. Tap  to view all the files uploaded to BenQ cloud server.
3. Tap a desired file from the file list on the cloud server.
4. Tap  on the top-left corner of the screen to hide the file list.
5. Slide across the screen to the left/right to view the previous/next file in the same folder.

Viewing files offline





You need to select the files to be viewed offline first while the network connection is still available.

1. Make sure the smart display is connected to the Internet.
2. Tap  to view all the files uploaded to BenQ cloud server.
3. Select the files to be viewed offline. For images, tap  on the top-right corner of the screen to save a file to the local device (e.g. your smart display) temporarily. For other file types, select a file and tap **Offline** from the option menu displayed.
4. Without network connection, tap  to view the selected files offline.

Managing files on BenQ cloud server

Once the files are uploaded to BenQ cloud server, you can create folders to manage the files, or delete them.



Creating a new folder

1. Tap  on the bottom of the file list to create a new folder.
2. Name the folder, and save with **OK**. The folder is added to the file list.
3. To add files to the new folder, tap and hold any of the file in the list until a checkbox is displayed for each file.
Alternatively, tap  > **Select item** on the bottom-right of the file list.
4. Check to select the file(s) to be moved, and tap .
To select all items, tap  on the top of the file list and tap **Select all**.
5. Select the desired folder, and confirm with **OK**. It may take a while to complete the process.



To rename a folder/file, tap the triangle on the right of the desired folder, and select **Rename**.

Deleting item(s)

- To delete a folder/file, tap the triangle on the right of the desired folder, and select **Delete**.
- To delete more than one item, tap and hold any of the files in the list until a checkbox is displayed for each file. Alternatively, tap  > **Select item** on the bottom-right of the file list. Check the desired items and tap .



Sorting the files

1. In **BenQ Cloud**, tap  > **Settings**.
2. Tap **Sort list by** and select a preferred way of sorting.

Sharing files on BenQ cloud server


You can share the files with friends by sending the particular file or the file link through e-mail or other supported web-based services displayed in the list. Available services may vary depending on the product supplied for your region.

The procedures differ by the service used for sharing. The following describes the procedures through e-mail.

1. Tap a file to be shared and tap **Share link** from the option menu displayed. Alternatively, tap  (to share the file link only) or  (to send the file as attachment) on the top-right corner of the screen if available.
2. Select an e-mail service provider.
3. Input the e-mail address, the subject, and the content.
4. Tap **SEND** on the top-right corner of the screen to send the e-mail.

Once the e-mail is received, open the attached file or click the link to view the shared file.

Downloading files from BenQ cloud server (available for offline files only)

1. Tap  to switch to offline view.
2. Tap a file to be shared and tap **Export** from the option menu displayed.
3. Choose to save the file to the local device (i.e. your smart display).

Browser

 > **Browser**

You can view and access web sites through browser.




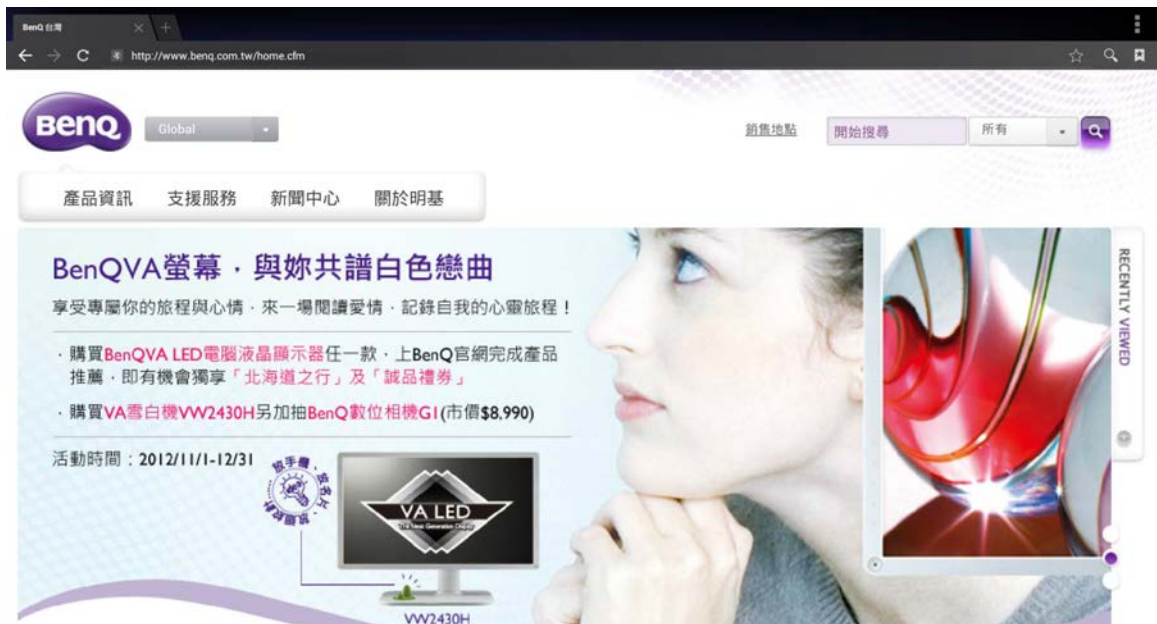
You must establish the Internet connection before use.

Opening browser

1. Tap **Browser** on the home screen to enter the browser.



2. To manually enter the web site address, tap the address field on the browser, and then use the screen keyboard to enter the web address.

Alternatively, tap  on the upper screen to link to one of your favorite web sites (i.e. bookmarks). See [Adding a bookmark on page 50](#) for more information).






Refreshing the page

To refresh the web page, you can do one of the following:

- tap , or
- tap  > **Refresh**. The web page is updated.


Setting homepage

You have two ways of setting homepage:

- Tap  >  > **Set homepage**.
- Tap  > **Settings** > **Set homepage**.

Select a desired homepage, and tap **OK**. If you are requested to enter the address of a webpage, tap the enter field for text entry.

Adding a bookmark


1. On the webpage to be bookmarked, tap  to open a dialog page.
2. Tap **Label** to name the webpage.
3. Select **Bookmarks** in the **Add to** field. And tap **OK**.

You can go to  > the **BOOKMARKS** tab to view all the bookmarked pages.


Scrolling a page

Slide on the screen to scroll a page.

Finding on the page

1. Tap  > **Find on page**.
2. Use the onscreen keyboard to enter the texts to be looked for.
3. Tap the arrow icons on the toolbar at the bottom of the screen to highlight the previous or next matching word.

Opening a new window

Tap  on the top of the current window to add a new one in **Browser**.

To switch to another open window, tap the desired window directly.

Downloading

To save an image on the web page, tap and hold that image and tap **Save image** from the menu; to download the application, follow the instruction on the web page.

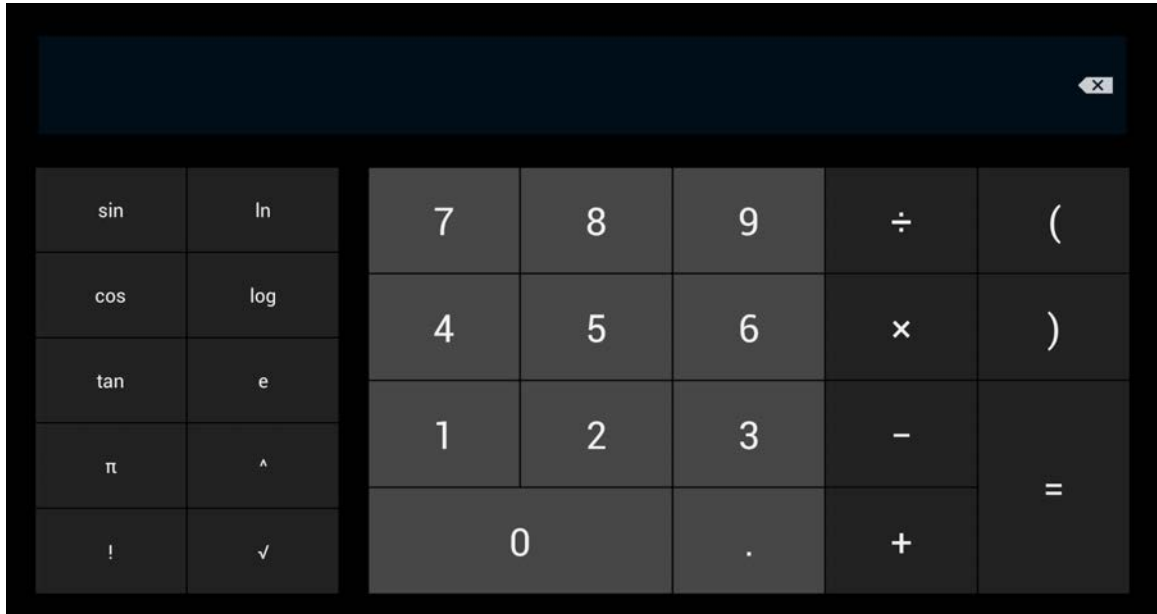
All downloaded images and files are stored in the **Download** folder on the smart display.

Calculator

 > **Calculator**

You can use the **Calculator** to perform arithmetic calculations.

Tap the number and calculation buttons to perform basic arithmetic calculations.



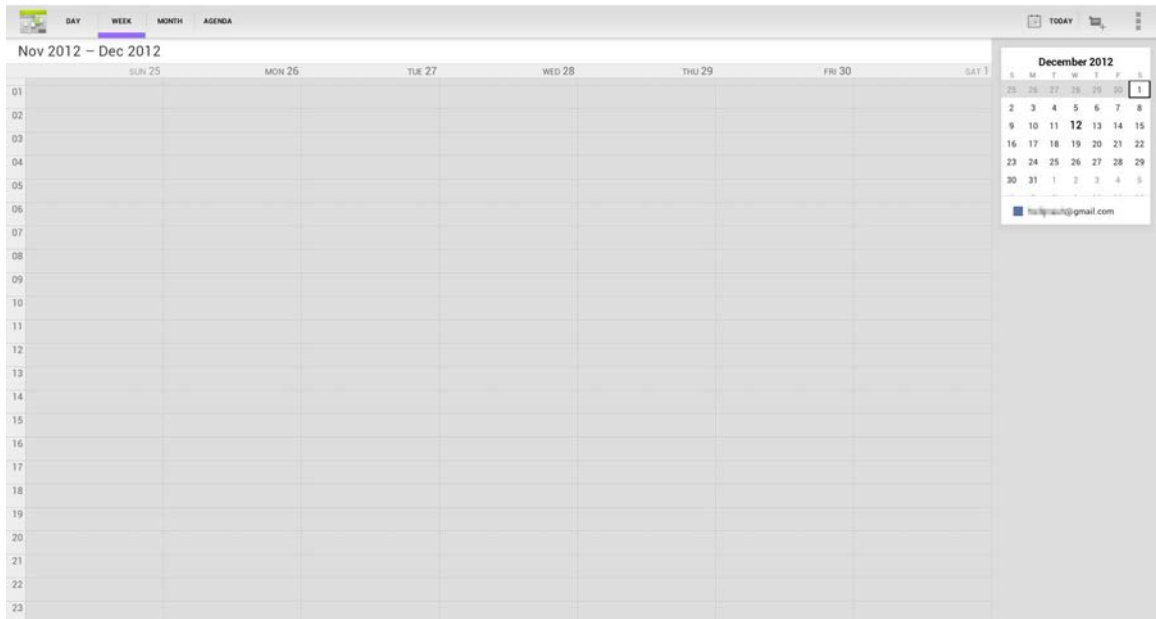
You are provided with a calculator widget that is available from the Home screen.



Calendar

> Calendar


Calendar offers 4 kinds of view modes: day, week, month, and agenda, allowing you enter and edit personal agenda.





Switching the view mode

To change the view mode, tap the desired mode on the upper-left of the screen.

Adding an event


1. In any view mode, tap  to add a new event.
2. Enter the information on the event screen. After you are finished, tap **Done**. The new event is already added to the calendar.

Deleting or editing an event

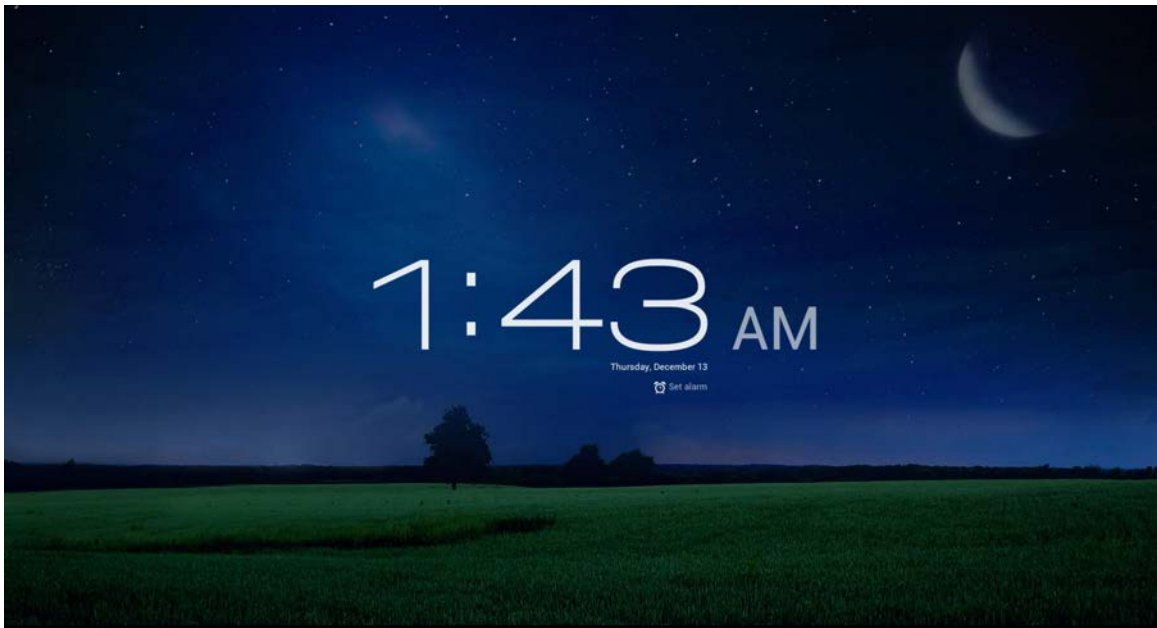
1. In any view mode, tap the event to be deleted or edited.
2. Tap  to edit the event. Confirm with **Done**.
Tap  to delete the event. Confirm with **OK**.

You are provided with calendar widgets of different view modes. You can check if there are any upcoming calendar events quickly from the Home screen.

Clock

 > **Clock**

Displays time and sets up alarms.



If you did not set up time during the first time startup, go to  > **Settings** > **Date & time**. To set date and time manually, uncheck **Automatic date & time** first, and change the settings in **Set date** and **Set time**.

Setting an alarm

1. Tap **Set alarm** on the **Clock** screen to enter the **Alarms** screen.
2. Tap **Add alarm**.
3. Tap **Time** to set the time of the alarm.
4. Tap **Repeat** to set the days when the alarm sounds. There are 7 options from **Monday** to **Sunday**.
5. Tap **Alarm mode** to set the ringtone for the alarm. You can set music, video, or open a website as well.
6. Tap **Label** to name this alarm.
7. Confirm with **OK**.

You are provided with a **Clock** widget. Tap  from the Home screen, and start with Step 2 to set an alarm.



To adjust the volume, see [Adjusting the volume on page 24](#).


Enabling / disabling /deleting an alarm

In the **Alarms** screen, a list of alarms is displayed.

- To enable an alarm, tap the desired alarm to check **Turn alarm on** > **Done**.

- To disable an alarm, tap a desired alarm to uncheck the alarm. Tap **Done**.
- To delete an alarm, tap a desired alarm and select **Delete > Done**.

Email


 > **Email**

You can send and receive e-mails through the smart display.



You must establish the Internet connection before use.

Setting up an e-mail account

1. Go to  > **Email**.
2. Tap the field, use the onscreen keyboard to enter email address and password, and then tap **Next** to continue the automatic configuration.
The smart display automatically links to the server to finish the account settings. If the automatic settings fail, please return to Step 2 and tap **Manual setup**.
3. The smart display supports these three types of accounts: **POP3**, **IMAP 4**, and **Exchange**. Tap the desired type to enter the setup. When you are finished, tap Next to links to the server to finish the account settings.



The detailed mail account settings may vary depending on different e-mail service providers. For details, please visit the related web sites.

Family Board

> Family Board





You must establish the Internet connection before use.

Once you have purchased the smart display, you are provided with the application and the free storage space up to 5 GB on the BenQ cloud server for **Family Board**. All the information shared in **Family Board** is stored on the BenQ cloud server. Log in **Family Board** to activate the provided cloud services.

Creating a new family board

Use your BenQ account to create a new family board. A smart display is allowed to create one family board and have 20 accounts added to the board.

1. Go to  > **Family Board**.
2. Log in with your BenQ account (see [Creating your BenQ account for BenQ services on page 43](#) for more information). And confirm with **OK**.
Once you have entered your e-mail address and allowed the password to be saved, the account is automatically saved as well. To log in again, simply tap the text field of **Account login** and select your account from the list.
3. Input your nickname, birthday, and password. And tap **Next**.
The requested information may be different if you haven't created your BenQ account until now. Follow the on-screen instructions to create your **Family Board** account.
4. Name the new family board. And tap **Next**.
5. Tap  to add new members to the family board just created. Input the e-mail addresses of the new members, and tap **OK** to send invitations. You can have up to 20 members for a board.
Alternatively, send invitations from **Settings** > **My family** in **Family Board**. See [Inviting the family to join the family board on page 56](#) for more information.





The next time you log in **Family Board**, select **Remember my account password** if you want the account and password to be saved and entered automatically in the login process afterwards.

6. Tap **OK** to enter the **Home page** of **Family Board**. You are now the owner of the new family board.

Inviting the family to join the family board

As the owner of the family board you just created, you can invite members of the family to join the board when creating the board, or send invitations later from **Family Board** > **Settings**.

1. Go to **Settings** > **My family** in **Family Board**.
2. Tap  and **Add new family member by e-mail**.
3. Input the member's e-mail address. If you want to add more than one member at a time, tap  to input more e-mail addresses.
4. Tap **OK** to send invitations.

Joining a family board

Once an invitation of a family board is received, follow the procedures to join the family board.

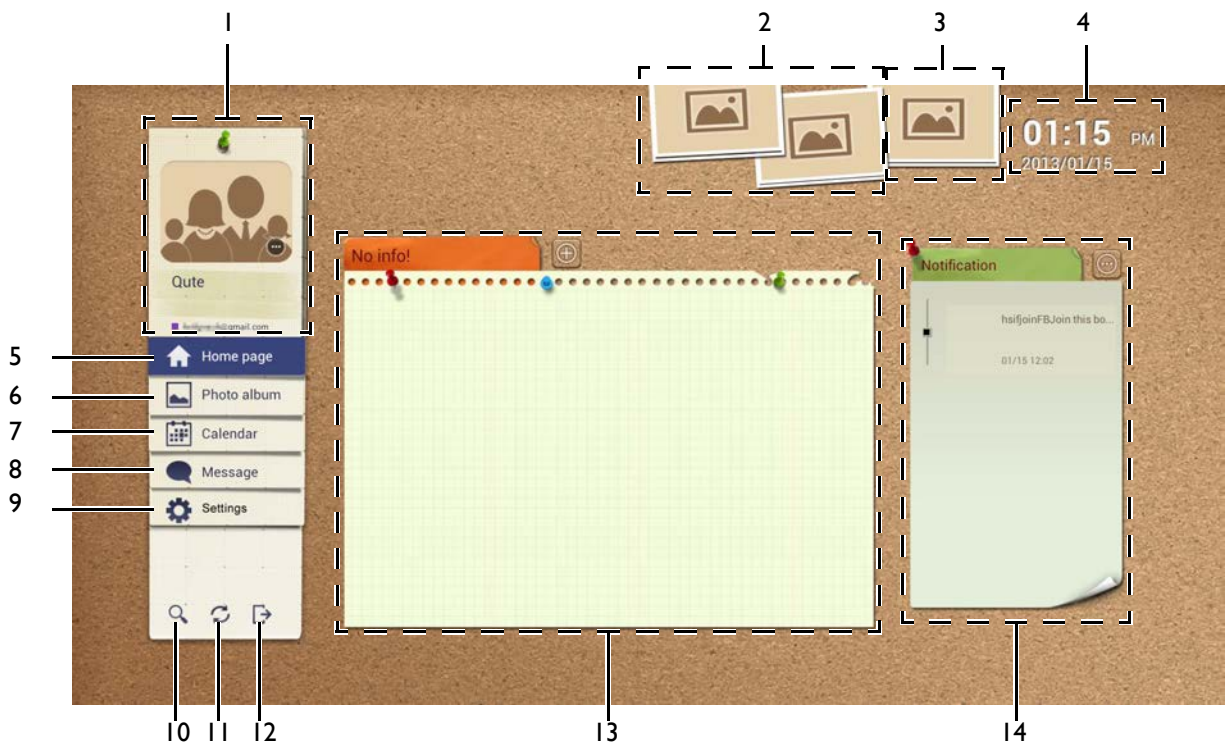
1. Click the link to the family board in the invitation to launch **Browser/Internet Explorer** from your computer.
2. Follow the on-screen instructions to join the family board. You are requested to input the family code that comes with the invitation.
3. Once you have joined the family board, you can share your life with other family members easily through **Family Board**. For devices other than the BenQ smart display, you can access **Family Board** from compatible version of application.




If you have joined two or more family boards, tap the picture that represents the current board from the Home page to switch to other boards.

Browsing the Home page

Once all the family members are joined, you can find the most up-to-date status of the family from the **Home page** as you enter **Family Board**.








No.	Description
1	<ul style="list-style-type: none"> • Displays the name and picture of the current family board, and the owner of this board. • Switches to other family boards if available.
2	Playback of the images uploaded to Family Board .
3	Displays the pictures taken or uploaded a year ago.
4	Displays current date and time.

No.	Description
5	Accesses the Home page , where you can check today's schedule, the upcoming events, and the updates of the board.
6	Accesses all the images or video clips shared by the family.
7	Accesses the personal calendar, the family calendar, and the to-do items.
8	Accesses the messages to or from the members.
9	<ul style="list-style-type: none"> • Accesses the profile of the current board and the owner. • Sends invitation of the family board to other people.
10	Searches for keyword.
11	Reloads the board and checks for updates.
12	Exits Family Board .
13	Displays today's schedule and the upcoming events, including the to-do items.
14	Displays the updates of the current board. Tap and hold  to view more updates.

All the data and images files displayed are stored on the BenQ server. Members of the same family board can access the same information from different devices through Internet once the compatible version of application is installed.

Viewing and managing images/video clips

Tap **Photo album** in **Family Board** to view all the images shared by the family. A list of thumbnails of all the images/clips shared by the family is displayed.

- Tap  to view a list of videos; tap  to view all images/clips.
- Tap  or  to view more thumbnails.
- Tap  to play a slideshow of the images. Customize your slideshow by following the on-screen instructions to add special effects and background music. Tap **OK** and **Start** to start the playback.
- Tap **Photo album** to sort the files.
 - **Photo album**: files are arranged by album (folder) names alphabetically.
 - **Calendar**: files are arranged by the dates the files were uploaded.
 - **Location**: files are arranged by the places (if specified) the photos were taken.
 - **People**: files are arranged by the members that uploaded the files.


Viewing images/clips

- Tap a thumbnail to view the image/clip. It may take a while before the file is downloaded from the server.
- While an image is displayed, tap the screen for more options and more thumbnails. Slide to the right or left on the lower part of the screen to view more images.
- During video playback, tap the screen, and then you can decide to pause the playback or switch to other clips available in the family board.

- During playback, tap the screen to bring the tool bar for more functions.

Uploading images

You can choose an existing file from the internal memory or the connected storage devices, or activate the built-in webcam to take a new picture and upload the file immediately. If a new folder is preferred to save the new files, see [Creating a new album on page 59](#).

Under **Photo album** or the desired folder (album), tap  to upload a new image/clip.




Supported file formats in **Family Board** are:

- Images: *.jpeg, *.jpg, *.png
- Video files: *.3gpp, *.3gp, *.flv, *.mp4
- Audio files: *.mp3, *.m4a, *.mid, *.wma, *.wav, *.aac, *.ogg, *.amr



Creating a new album

Under **Photo album**, you can create a new folder (i.e. a new album) for new images/clips.

1. Tap  and select **Add a new folder to the cloud**.
2. Input the name of the folder, and confirm with **OK**.

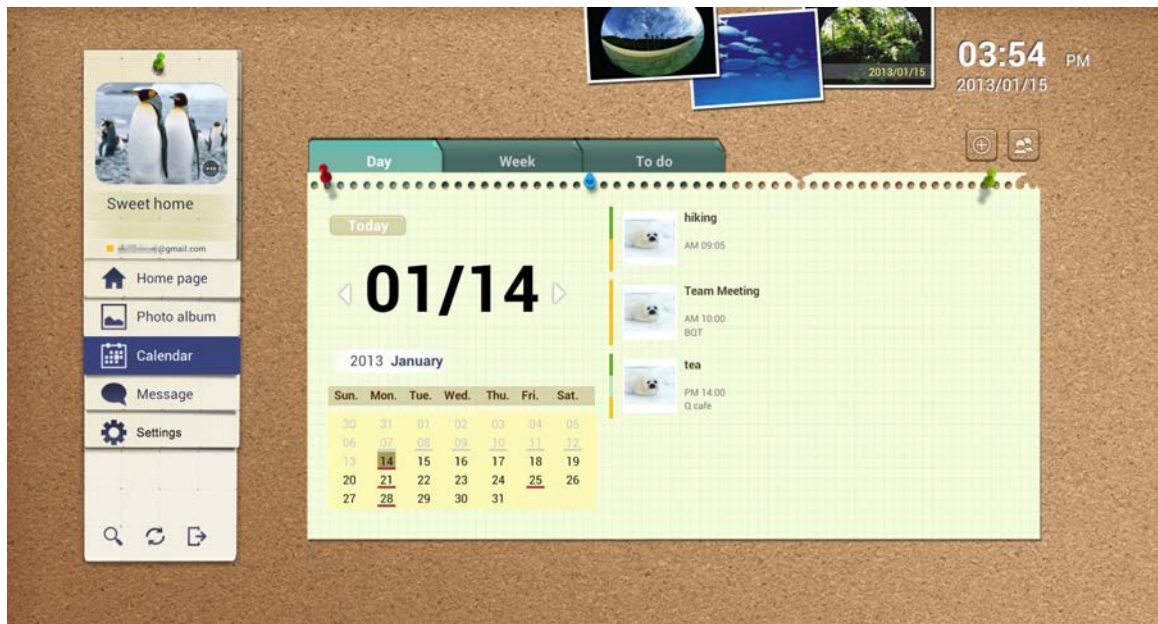
Viewing and managing calendars and to-do lists

You can manage your own and the family calendars from **Calendar**. By default, the personal calendar is displayed when you enter **Calendar**.


- Tap **Day** to view the calendar by date.
- Tap **Week** to view the calendar by week.
- Tap **To do** to view the do-do items.
- Tap  to view the family calendar of all the family members.
- Tap  to switch back to your personal calendar.



The calendars managed here can be accessed from **Family Board** only and are not synced with the one managed from  > **Calendar**.



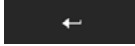
Adding a new event

1. Tap  from **Day** or **Week** mode.
2. Input event title and location.
3. Tap time and date fields to specify the time and date information by scrolling up and down the bar. And confirm with **OK**.
4. Tap **Participants** to add participants.
5. Save with **OK**. The event is added to your calendar now.

Editing an event

1. Tap an existing event from the calendar.
2. Tap **Edit**.
3. Tap the fields to be modified.
4. Save with **OK**.

Editing a to-do list

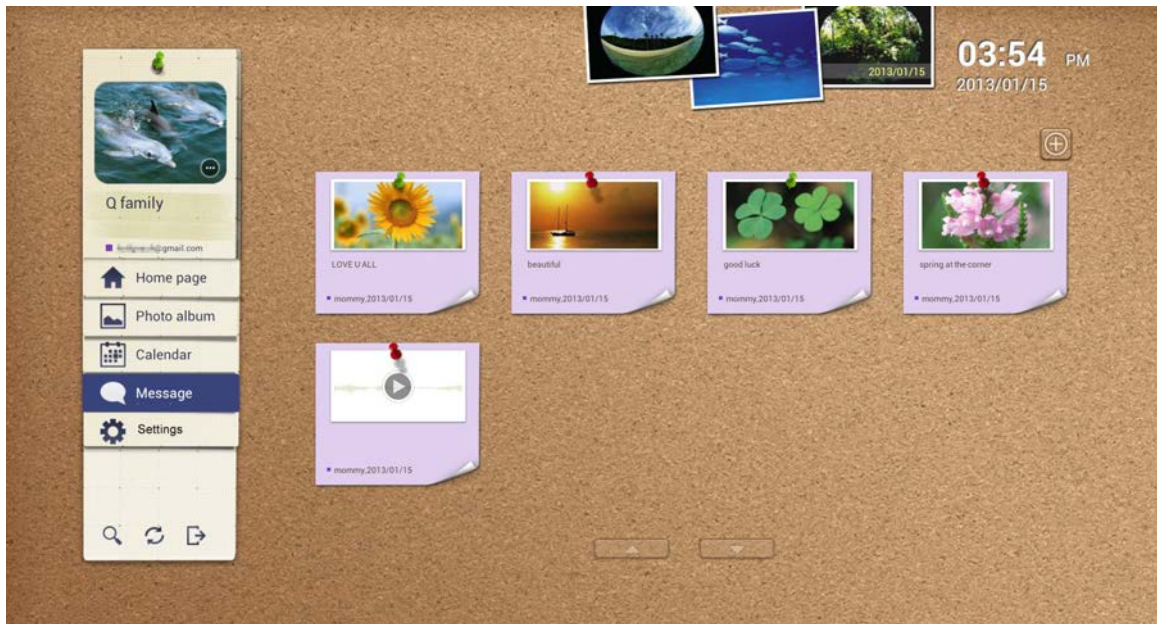
1. Tap **To do** in **Calendar**.
2. Tap **Add new to do item** to input a new item. And tap  to add this item to the list.
3. Tap the new item and then **Edit** to specify the time and participants. Set a reminder if needed.
4. Save with **OK**. The to-do item is added to your calendar now (if date is specified). You can check the checkbox of the to-do item to mark it as done.

Viewing and leaving messages for family members





You can leave your family members short text messages with image and audio files attached or read messages from them.

Messages written by family are available to all the members in the same family board.

Tap a message to enlarge it




Leaving a new message

1. Tap  from **Message**.
2. Input texts. Or tap  to attach an audio file and/or image.
Tap  to attach an audio file.
Tap  to attach an image file.
3. Tap **OK** to save.

Accessing Family Board from other devices

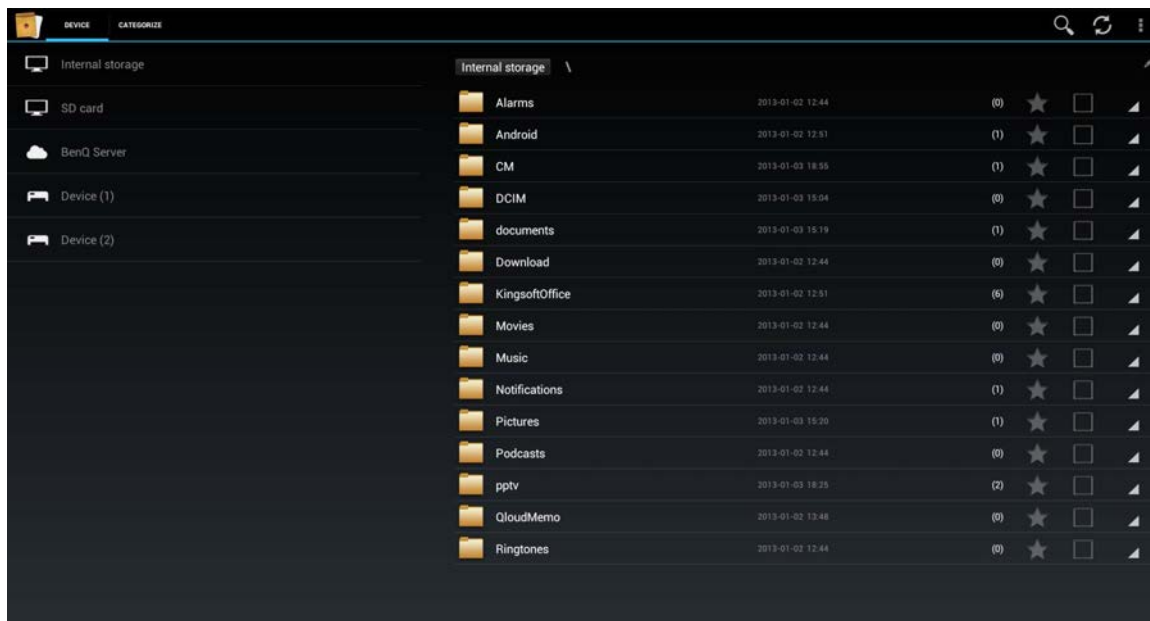
With appropriate versions of **Family Board**, you can access **Family Board** from other devices.


1. Tap  > **BenQ Recommend** on your smart display, and then select **Family Board** and **Download**.
2. Select a application that is compatible with the operation system of your device. You can choose to install the application of **Family Board** on your device through **QR code** or **Browser**.
3. If QR code is selected, aim the camera lens of your phone/tablet at the QR code to download the application directly.
Alternatively, send the link to application through e-mail. Receive the e-mail on your phone/tablet, and access the application by clicking the provided link.

Files

> Files

You can browse and edit the files stored on the smart display and the connected storage devices.



- Select a storage device from the left. All the stored files are displayed on the right.
 - **BenQ Server** shows all the files stored on the BenQ cloud server. See [BenQ Cloud on page 47](#) for more information.
 - **Device (1)** refers to the first connected USB storage device.
 - **Device (2)** refers to the second connected USB storage device.
- Tap a file in the list, and select an application to view or edit the file according to the available options.
- In the file/folder list, select the file/folder by checking the boxes on the right. You can then move, copy, select, or deselect the files/folders.
- Tap  on the upper-right to sort the files/folders, or to create new folders.

Kingsoft Office

> Kingsoft Office

With the Office-equivalent functionality provided by **Kingsoft Office**, you can open, browse and edit the files created in Office software, including Word, Excel and PowerPoint. You can also access the files in *.pdf format.



For the first-time use, please read through the statistics agreement, and then tap Agree to activate Kingsoft Office.

Supported Office versions and file formats

Supported Office versions: 97 / 2000 / XP / 2003 / 2007 / 2010

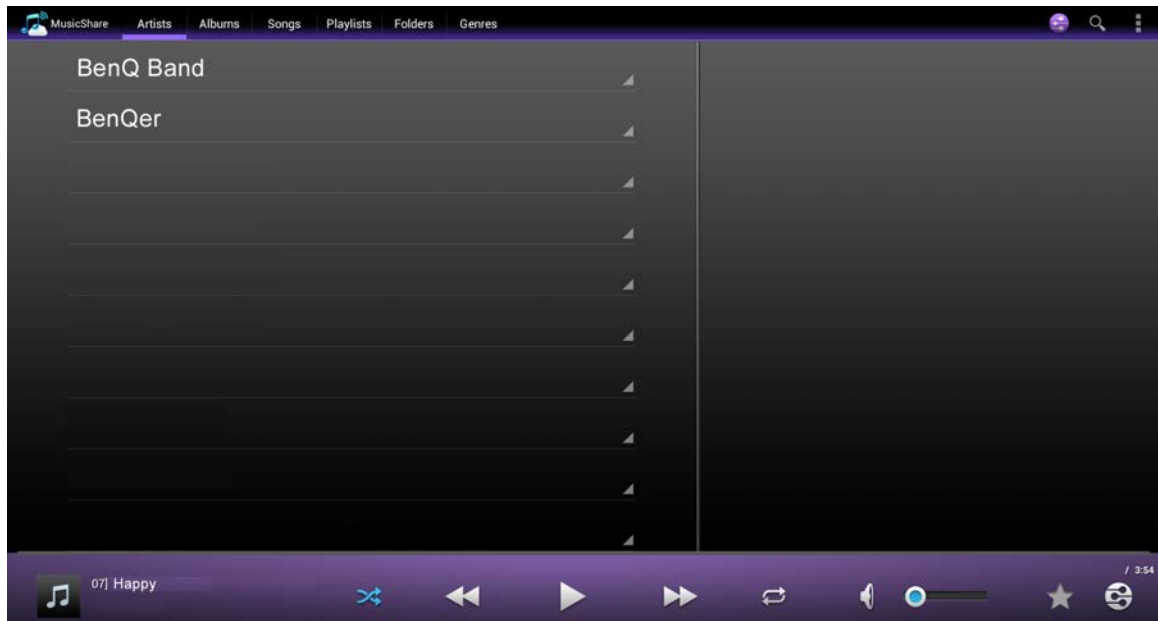
Supported Office software formats:

Word	doc / docx / rtf / txt
Excel	xls / xlsx / csv
PowerPoint	ppt / pps / pot / pptx / ppsx / potx

Music Share

> Music Share


Use **Music Share** to play music stored on the device or the connected storage devices. Your device can also receive media sources from other DLNA devices for playback, or vice versa.

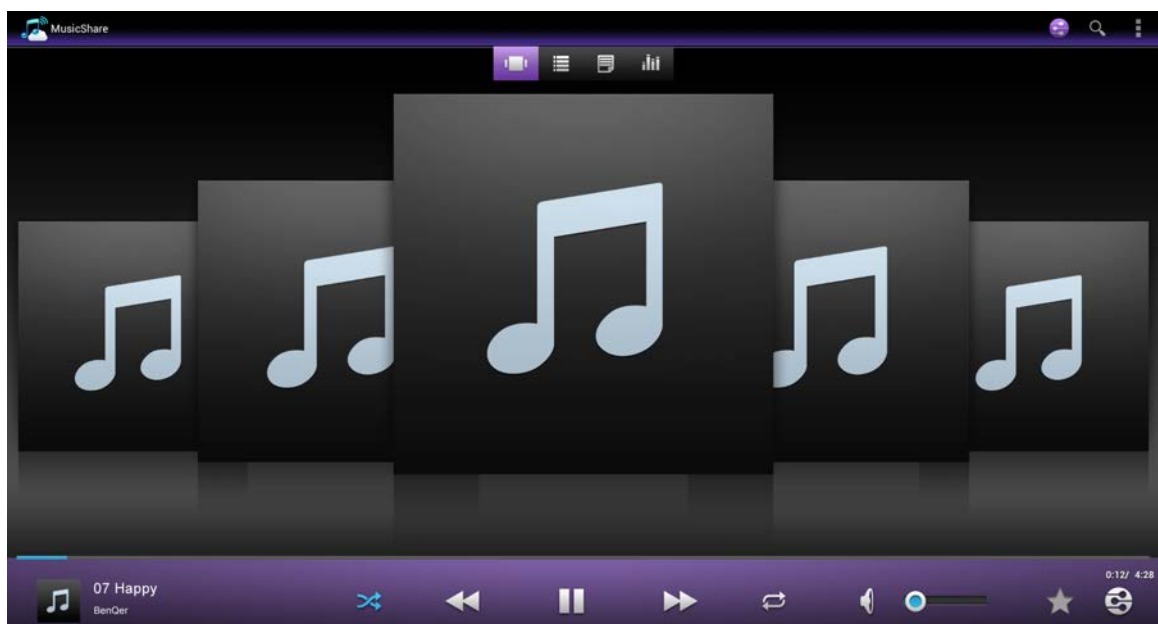










Searching by index tabs

The main page includes several index tabs: **Artists**, **Albums**, **Songs**, **Playlists**, **Folders**, and **Genres**. The music files stored on the smart display and the connected storage devices are categorized accordingly. Tap any tab to enter the list.

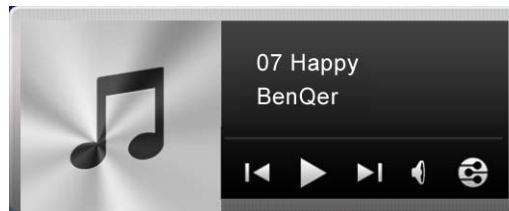
Playing music

Taps any song to enter the playing screen. The album cover of the currently played song is displayed. Tap  on the upper screen to display the lyrics if a *.lrc file of the identical name with the song is available.



Icon	Function
	Plays shuffle.
	Goes to the previous song.
	Plays music.
	Pauses playing music.
	Goes to the next song.
	Repeats all songs.
	Adjusts volume.
	Plays music on a DLNA device. See Playing multimedia files between different media devices (through DLNA) on page 39 for more information.

You are provided with the **Music Share** widget to control music playback easily from the Home screen. Tap the text "**Touch to select music**" to bring up **Music Share**.




QWeather



- You must establish the Internet connection before use.
- If RJ45 cable is used for network connection, you need to determine your location manually.

The **QWeather** widget on the Home screen retrieves the latest weather information from the Internet.



To use the service for the first time, you will be requested to specify your location to collect the weather information. Tap  for settings. Determine how often to retrieve the weather information in **UPDATE TIME**.


To manually retrieve the weather information, tap .

Task Manager

> Task Manager

Task Manager lists all applications you open during the operation of the device. You can browse and manage all running applications and services.



- To end some of the applications in use, tap the desired applications to be ended (the check mark on the right appears blue), and then tap **Kill selected tasks**.
- To close all running applications and services, tap **Kill all tasks**.
- To update the list of running application, tap .



Your data may be lost if there are any unfinished tasks. Save your data before you end any application.

Video Share

> Video Share

Use **Video Share** to play video clips stored on the smart display or on the connected storage devices. Your smart display can also receive media sources from other DLNA devices for playback, or vice versa.



Playing a video

1. Tap a desired video to enter the playback screen.
2. Tap the thumbnail of the video to start the playback.
Tap the thumbnail again to pause.
Tap the paused video to resume playback.

Settings

> Settings

You can adjust the settings, and find copyright and device information.

Available options may vary depending on the current settings. Options that are not available will become grayed out.

WIRELESS & NETWORKS

Name	Function	
Wi-Fi	Enables wireless Internet connection. Once switched ON , a list of available Wi-Fi networks is displayed.	
Ethernet	Displays the device's MAC address and IP address for Ethernet connection.	
Data usage	Shows the amount of data uploaded or downloaded by your smart display during a given period.	
More	VPN	Sets up & manages Virtual Private Networks (VPNs.)
	Tethering & portable hotspot	Sets your smart display a hotspot for Wi-Fi connection for other devices.
	Wi-Fi direct	Sets up peer-to-peer connectivity.

DEVICE

Name	Function	
Sound	Default notification	Sets your default notification ringtone.
	Touch sounds	Enables/disables touch sound.
	Screen lock sound	Enables/disables screen lock sound.
Display	Wallpaper	Sets the Home screen wallpaper.
	Sleep	Adjusts the delay before the screen automatically turns off to save power.
	Font size	Sets how large the texts are displayed on the screen.
Storage	Shows the total and the used storage space each available memory.	
Apps	Shows all the applications installed on the smart display, including the downloaded and running ones.	

PERSONAL

Name	Function	
Account & sync	Manages the accounts and the available services on this smart display. You can log in different accounts and decide the type of information to be synced with each account.	
Location services	Google's location service	You must consent to sharing location anonymously with Google's location service.
	Location & Google search	Allows Google to use your location for related services.
Security	Screen lock	Sets to lock and unlock the screen with slide, a pattern, PIN, or password.
	Owner info	Sets if you want to show owner's information on lock screen.
	Encrypt smart display	Sets to encrypt your smart display so protect your data.
	Make passwords visible	Shows password as you type.
	Device administrators	View or deactivate device administrators.
	Unknown sources	Allows the installation of applications that are not downloaded from Google Play Store .
	Trusted credentials	Allows applications to access certificates and other credentials.
	Install from SD card	You can install encrypted certificates from the microSD card.
	Clear credentials	Removes all certificates.

Name	Function	
Language & input	Language	Selects system language.
	Spelling correction	Provides suggested words
	Personal dictionary	Adds and removes words from user dictionary.
	Default	Selects a default text input method.
	Google voice typing	Activates voice typing.
	Voice Search	Configures Voice Search .
	Text-to-speech output	Configures text-to-speech.
	Pointer speed	Sets the pointed speed for mouse/trackpad.
Backup & reset	Back up my data	Back up your personal data and settings to Google servers.
	Backup account	Backs up to debug-only private cache if selected.
	Automatic restore	Restores your settings of the re-installed applications if selected.
	Factory data reset	Erases all data on the smart display and restores the smart display back to factory settings.

Date & time

Name	Function
Automatic date & time	Sets to sync with the network date and time automatically.
Set date	Manually sets the date.
Set time	Manually sets the time.
Select time zone	Manually selects the current time zone.
Use 24-hour format	Sets to display time in 24-hour format.
Select date format	Manually sets the date format.

Accessibility

Name	Function
TalkBack	Sets to have spoken feedback from the smart display, description what you touch, select, and activate.

Name	Function
Large text	Sets to display the texts with larger font size.
Speak passwords	Enables to input the passwords by speaking.
Touch & hold delay	Determines the delay required for the smart display to notice that you are touching and holding an item.
Install web scripts	Allows the applications to install scripts from Google.

Developer options

For advanced users, you can find more developer options in  > **Settings** > **Developer options**.

About

You can view the information about smart display.

Appendix: Connecting with your computer

Switching to display mode

Your smart display can receive video and audio signals from your computer via HDMI connection. See [Connecting the HDMI cable \(optional\) on page 13](#) for details.

Performing computer's operations via the touchscreen

As your smart display features touch function, you are allowed to perform the computer's operations via the touchscreen directly.

1. Connect the smart display to your computer using a HDMI to micro-HDMI cable. See [Connecting the HDMI cable \(optional\) on page 13](#) for details.
2. You can make your smart display a touch monitor. Connect the smart display to your computer using the USB to micro-USB cable, and touch the display to control directly. You can now operate on your touchscreen to control your computer directly
3. If needed, switch back to Android system by doing one of the following:
 - Press and hold the Power button until the OSD menu is displayed. Tap **Main**.
 - Unplug the HDMI cable directly.

It might take a while before the Home screen is back.

Working as a storage device

You can connect your smart display to your computer using a USB to micro-USB cable. Your smart display is then treated as storage device and displayed as smart display in the **Windows Explorer** or file manager. While the smart display is connected to the computer, you can:

- operate from your computer to copy and paste files from your smart display to the computer, or vice versa;
- operate from your smart display to access the functions that are available in the Android system.

If there are other storage devices (e.g., a microSD card, USB flash drives, or external hard drives, etc.) connected to your smart display at the same time, your smart display works as a USB hub.

1. Locate and double-click your smart display (displayed as smart display) from your computer.
2. All the storage devices connected to your smart display are listed under smart display in the **Windows Explorer** or file manager on your computer.



Specifications

Model	CT2200
Operating system	Android ICS 4.0.4
Display	21.5"
Resolution	Full HD, 1920 x 1080
touchscreen	Yes
CPU	TI OMAP 4430, Dual-core ARM® Cortex-A9, 1GHz
RAM	LPDDR2 1GB
ROM	eMMC 8GB
LAN	10 / 100
Wi-Fi	802.11 b/g/n
Webcam	1.2M HD
Card reader	micro SD x 1
Input / output	micro HDMI in x 1
	USB (A-type) x 2
	micro USB x 1 (OTG)
	3.5mm headphone jack x 1
Speaker	2W x 2
Kensington lock	Yes





FAQ and troubleshooting

The chapter describes situations that you may encounter during use of the device, along with basic troubleshooting steps. If you are not able to resolve the issue, contact a nearest BenQ service center for assistance immediately.





Power

-  Why does the device not respond after the Power button is pressed?
-  Connect the adapter to the device and electric outlet again. And make sure you have pressed and held the Power button for at least 3 seconds.

Network connection

-  I have problems with setting up Wi-Fi.
-  Please follow these steps to solve the problems.
Have you already activated the Wi-Fi function on the device? Also, please make sure the Wi-Fi icon on the status bar shows connection and strong signals. If you do not see the connection icon, make sure if you have properly set up the Wi-Fi device in order to receive signals.
-  I encountered some problems while using Google **Play Store**. What should I do?
-  It is recommended that you contact the Google **Play Store** customer service for instant and direct assistance.

Touchscreen

-  Can I cover the touchscreen with a sticker for protection?
-  No, the sticker hinders the touch or slide movements.
-  The touchscreen feels rough when I slide on the touchscreen. How do I clear it?
-  It is recommended that you use silicone oil or the Pledge cleaner to clean and maintain the touchscreen.

General safety information

When setting up or operating your device, please pay special attention to the following:

- Save this user manual properly for easy reference when needed.
- Make sure you follow all instructions and warnings related to the system.
- Do not store your device in environments where the temperature is below -10°C or above 50°C, nor use your device in environments where the temperature is below 5°C or above 35°C. Otherwise system performance will be adversely affected.
- Do not expose your device to rain or excess humidity, and keep it away from liquids (such as beverages, faucets, and so on).
- Avoid exposing your device to direct sunlight, or intense light source, and keep it away from sources of heat (such as radiators, space heaters, stoves, and so on).
- Do not expose your device to heavy impacts or strong vibrations.
- Do not use your device near a gas leak.
- Do not use your device near water, for example, near a bathtub, wash bowl, kitchen sink or laundry tub, in a wet basement or near a swimming pool.
- Do not place the device in the vicinity of strong magnetic fields.
- Use the supplied adapter to operate your device, and make sure no heavy objects are placed on the adapter.
- Keep the device accessories away from children. Small objects such as SD card may be easily obtained and swallowed by children.
- Please DO NOT put anything upon the device while using it or leaving it alone.

Safety information about power adapter

- Use only the power adapter supplied with device. Use of another type of power adapter will result in malfunction and/or danger.
- Please use the proper electric outlet and make sure no heavy objects are placed on the power adapter or power cord.
- Allow adequate ventilation around the adapter when using it to operate the device. Do not cover the power adapter with paper or other objects that will reduce cooling. Do not use the power adapter while it is inside a carrying case.
- Do not use the adapter in a high moisture environment. Never touch the adapter when your hands are wet.
- Connect the adapter to a proper power source. The voltage requirements are found on the product case and/or packaging.
- Do not use the adapter if it becomes damaged.
- Do not attempt to service the adapter. There are no service parts inside. Replace the unit if it is damaged or exposed to excess moisture. Consult your BenQ dealer or service center for help and maintenance.