

CT10

ACTIVO

INSTRUCTION BOOK

User Guide

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Package Contents

Contents may be changed without prior notice to improve the performance or quality of the product.



CT10



5-Pin Micro-USB Cable



Quick Start Guide & Warranty Card

5-Pin Micro-USB Cable: Connects the product to a computer or utilize to charge the product.

Quick Start Guide: Basic overview of using the product.

Warranty Card: This card is required for customer service and technical support. Please keep this card.

User Guide: The User Guide can be downloaded from the Activo website:
[<http://www.activostyle.com>].

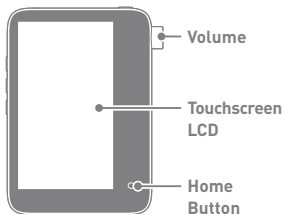
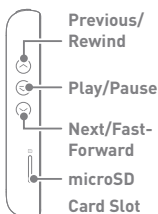
Part Names

The appearance of the product, as well as the printed and engraved information, may vary depending on the model.

5-Pin Micro-USB Port



3.5mm Unbalanced



5-Pin Micro-USB Port: Connect to a computer or recharge the device.

3.5mm Unbalanced: Connects earphones or headphones with a 3.5mm unbalanced jack to output sound.

Power: Short-press - Turns the screen on or off.

Long-press - Turn the device on and off.

Previous/Rewind:

Short-press - Plays the previous song or restarts the song.

Long-press - Rewind.

Play/Pause: Play/pause current track.

Next/Fast Forward: Short-press - Plays the next track.

Long-press - Fast-forward current track.

microSD Card Slot: Insert a microSD card in the device to access the files on the microSD card.

Volume: Turn the wheel to adjust volume.

LCD Touchscreen: Activate the screen and touch it to start.

Home Button: Press to return to Home Screen.

Power Management

Turning on/off Power

1. Long-press the [Power] button of the device to turn it ON.
2. While the device is on, long-press the [Power] button to shut down the device. A confirmation message will appear.
3. Press [OK] to turn off the device.



This device has an automatic power saving function to conserve battery power. The device will turn off if there is no user input during the period defined in [Menu - Settings - Power - Automatic Shutdown]. (See Page 34.)

Turning on/off the Screen

1. While the screen is on, short-press the [Power] button to turn off the screen.
2. Short-press [Power] button again to turn it on.



This device has an automatic screen timeout feature to reduce battery consumption. The screen will turn off when there is no user input during the period defined in [Menu - Settings - Power - Screen Off]. (See Page 34.)

Reset Function

1. In cases of unexpected device failure or if the device becomes unresponsive, press [Power] for 7 seconds to force a shutdown. The device can be restarted after the shutdown is complete.



Resetting the device will not affect the stored data or time setting. Do not use the reset function while the product is in use. Doing so may corrupt the data on the device.

Charging

Charging via Computer

1. The device will charge automatically when connected to a computer via the 5-pin micro-USB cable.



Depending on computer specifications, the device will charge only when the computer is turned on.

When charging via computer connection, the charging time may vary depending on whether the device is turned on or off. Some computers in power-saving mode may not charge the device.

The built-in battery will gradually lose capacity over time with repeated charging/discharging.

Do not use any cables other than the 5-pin micro-USB cable that is included in the package. Using an unauthorized cable may cause a malfunction.

Charging via Adapter

1. Charging is possible by using a 5V 2A output adapter (sold separately).



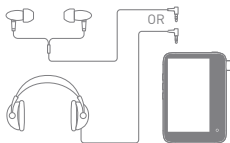
Charging Time: Up to 4 hours (When the device is fully discharged and turned off and a 5V 2A adapter is used)

A 5V 2A charger may be used. Using a fast charging adapter will not charge the product and may cause malfunctions.

Connections

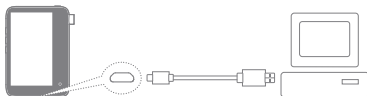
Connecting to a 3.5mm Unbalance Port

1. Connect earphones or headphones to the 3.5mm unbalanced port.



Connecting to a Computer

1. Turn on the device and your computer.
2. Connect the product to the computer with the 5-pin micro-USB cable to transfer media files.



For an optimal connection, quit any unnecessary programs before connecting the device to the computer.

Do not use any 5-pin micro-USB cable other than the one supplied with the device. Using an unauthorized cable may cause a malfunction.

Mac users need to download and install the MTP program from the Activo website in order for the device to pair with a Mac OS. [<http://www.activostyle.com>]

Both Windows and Mac, the device is only compatible with USB 2.0.

Disconnecting from the Computer

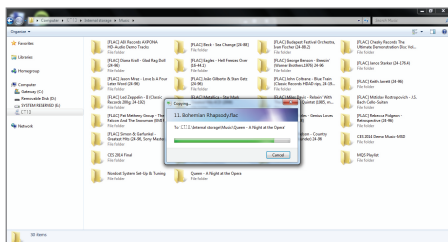
1. Disconnect the 5-pin micro-USB cable after the transfer between the product and computer is completed.



Disconnecting the device from the computer during an operation (e.g., file transfer) may corrupt data on the device. Safely remove/eject the device from your computer, if applicable.

Copy Files/Folders to the Device

1. To copy files/folders from your computer, select the desired files/folders and drag & drop them into the device folder.

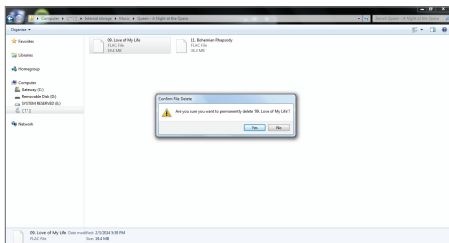


Make sure that the 5-pin micro-USB cable is securely connected. Note that removing the 5-pin micro-USB cable or turning off the device or computer during a file transfer may corrupt data on the device.

File transfer speeds may be affected by the computer and/or the OS environment.

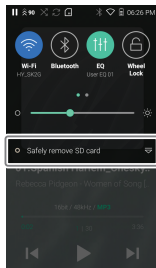
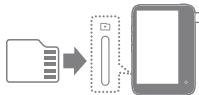
Delete Files (or Folders) from the Device via Computer

1. Right-click the desired file/folder and then select [Delete].
2. Select [Yes] in the [Confirm File/Folder Deletion] window to delete the selected files/folders.



Insert/Remove a microSD Card

1. Refer to the diagram and gently insert a microSD card into the microSD card slot.
2. To safely remove a microSD card, on the Home Screen, select [Safely remove SD card] from the Notification Panel or select [Unmount SD card] from [Menu - Settings - System Information].
3. Gently press in the microSD card to release it from the slot.



Recommended microSD cards

SanDisk, Transcend



Maximum Capacity: 400GB

Notes on Inserting a microSD Card

- Do not force the microSD card into the slot. This may cause malfunction of the product and damage to the card.
- Do not repeatedly insert/remove the microSD card.
- If not inserted properly, the microSD card may cause product malfunctions and may get stuck in the product.

Notes on Removing a microSD Card

- Be sure to safely remove the microSD card from the device. Not following the proper procedure may corrupt data and cause serious damage to the system.
- Do not remove the microSD card during use. Doing so may cause malfunction, delete data and damage the microSD card.

Notes on Using a microSD Card

- If the microSD card is not recognized or functions improperly, format the card, preferably in the FAT32 system.
- Using cards other than the recommended microSD card may cause malfunctions.
- A microSD card is not included in the product package. microSD card must be purchased separately.

Updating Firmware

Wi-Fi Update / OTA (Over-the-Air)

1. Connect to a wireless network.
2. When a new firmware version is available, the screen will display a Firmware Update Guide window.
3. Select [Update] and choose the items for update.
4. Follow the on-screen directions to update the firmware.



For Wi-Fi connections, see Page 36.

The firmware update may not be successful if the battery level is too low. (A minimum battery level of 20% is required.)

Do not disconnect from the wireless network while downloading the firmware update. Doing so may cause data corruption and/or damage to the system.

If an error occurs or the notice in the Notification Panel disappears during an update, download the Firmware update can be initiated again through [Menu - Settings - Update - System].

Basic Operations

LCD Touchscreen

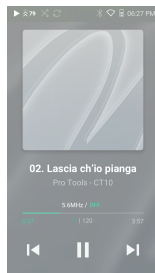
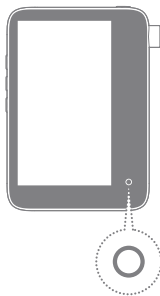
1. This device features a LCD touchscreen that allows you to perform operations by touch.
Interact with the device by touching the screen to access various features.



To prevent damage to the screen, do not use a sharp object or excessive force.

Return to the Home Screen

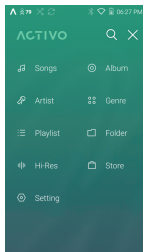
1. Press [O] to go to the Home Screen.



Home Screen

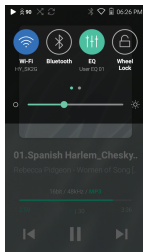
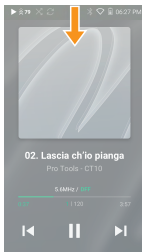
Menus

1. Swipe [Left to Right] on the Home Screen to display the menu list.



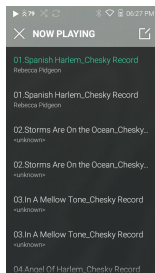
Displaying the Notification Panel

1. Swipe [Up to Down] on the Home Screen to display the Notification Panel.



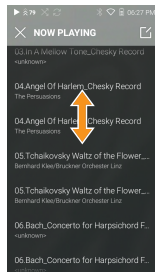
View Current Playlist

1. Swipe [Right to Left] on the Home Screen to display the current playlist.



Moving Up/Down on the List

1. Swipe [Down to Up] / [Up to Down] on the List Screen to scroll through the list.



Displaying the Playback Control Panel

1. Swipe [Down to Up] on the Home Screen to display the playback control options and current song information.

Lyrics: Lyrics for the current song.

< : Go to the list of menus to which the current song belongs.

+: Add the current song to the playlist.

⌂: Set the playback mode.

⌂: Sequential playback.

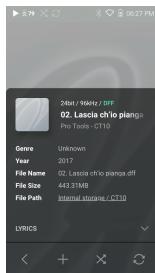
⌂: Shuffle playback.

↺: Set repeat mode.

↺: Repeat the entire playlist.




↺: Repeat the current song.

↺: Disable repeat mode.

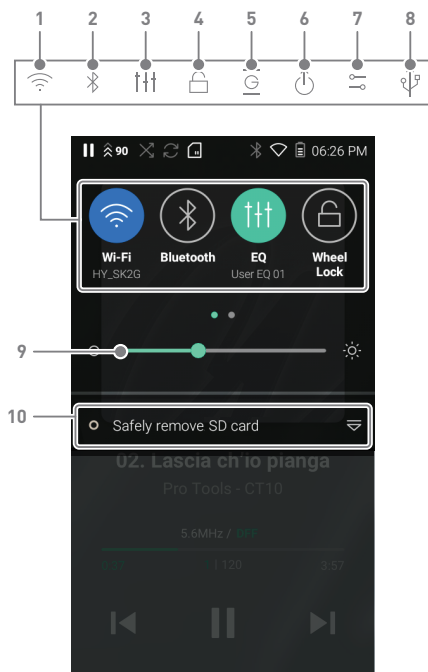


















Home Screen







1	Album Cover	Displays album cover image.
2	Title	Song title information. The file name is displayed when the title is unavailable.
3	Details	Displays current song information.
4	Progress Bar	Shows playback progress of current song. Drag the indicator to move to the desired track time.
5	Song Progress	Indicates song duration.
6	 Previous Song/ Rewind	Short-press: Plays the previous song or restarts the song. Long-press: Rewinds the current song.
7	Song Duration	Indicates the song's total duration or remaining time. Tap to switch display option.
8	 Play/Pause	Plays or pauses the current song.
9	 Next/FF	Short press: Plays the next song. Long press: Fast-forwards current song.

Notifi- cation Panel



1		Wi-Fi	Press [] to turn Wi-Fi on/off.
2		Bluetooth	Press [] to turn Bluetooth on/off.
3		EQ	Press [] to turn the EQ on/off. The most recent EQ settings are applied by default.
4		Wheel Lock	Press [] to turn the screen lock on/off. The volume wheel is disabled when the screen is locked.
5		Gapless Playback	Press [] to turn Gapless Playback on/off.
6		Line-out	Press [] to turn line-out on/off.
7		DLNA Link	Press [] to turn DLNA Link on/off.
8		USB output	After connecting the device to a portable USB DAC, press [] to connect or disconnect the device.
9		Brightness	Use the adjustment bar to control the display brightness.
10		Notifications Display	Notification contents are displayed in this area.



Long-press [ /  /  / ] to move to the corresponding Settings screen.

Add/delete Quick Settings buttons or change their order in [Menu - Settings - Notification Panel].

Purchasing or Streaming Music from Services

Conveniently purchase music from the Services when connected to a wireless network.

Purchasing or Streaming Music

1. Connect to a wireless network.
2. Select [Services] from the menu to display the Services options available.
3. Select the desired Services.
4. Check the user guide or help menu within each Services for detailed information.



For Wi-Fi connections, see Page 36.

DLNA Link

Hi-Res Streaming Server Installation

1. Visit the Activo website and download Hi-Res Streaming Server that corresponds to your operating system.
[<http://www.activostyle.com>].
2. Run the downloaded installer and follow the on-screen instructions.
3. Check the User Guide within the program for detailed information on using the Hi-Res Streaming Server.



Please refer to the following Windows/Mac minimum system requirements.

Minimum Computer Requirements

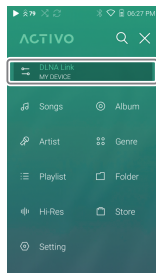
- OS : Windows 7, 8, 10 (32 & 64 bit)

Mac Requirements

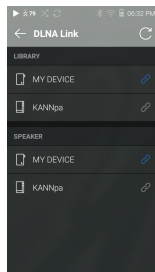
- OS X 10.7 (Lion) or later

Connecting DLNA Link Library/Speaker

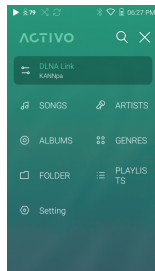
1. Turn on the library to be connected and connect to the same network as CT10.
 - Run the Hi-Res streaming server on your computer.
2. Turn on the DLNA Link function by selecting [Menu-Settings-DLNA Link].
3. Press [DLNA Link] on the Menu screen.



4. A list of libraries/speakers that are on the same network with CT10 will be displayed.
5. Select a library/speaker to connect.



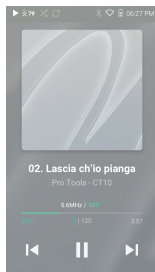
6. After selecting a library/speaker, select a category from the menu to display the corresponding music list.





For Wi-Fi connections, see Page 36.

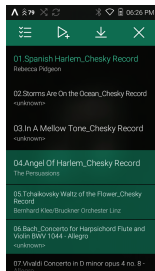
Streaming and Downloading Music from Library

1. Select a category from the library menu to see your list of music.
2. Select a song to begin streaming.



3. Press the [] at the upper-right corner of the music list.
4. Select the desired music, and press [] on the top to download the music.

- A message on the Notification Panel will indicate when the download is complete.



Depending on network conditions, song loading may be slow and streaming may stutter.

Performing other operations on the library source may cause slower response time.

If you stream and download at the same time, it may slow the device's response time depending on the speed of the Wi-Fi network or server.

Stop downloading by touching the item you're downloading in the Notification Panel and moving to the window.

Listening to Music

Selecting Music

1. Select a category from the menu to display the corresponding music list.
2. Select a song from the list to begin playback.





Select [Folder] to search music by folder.


Continuous Playing Time: Approximately 10 hours (Music: FLAC, 16-bit, 44.1 kHz, unbalanced output, volume 75, EQ off, LCD off)
Supported Formats: PCM [8~384kHz], DSD [2.8/5.6/11.2MHz]


Listening to Music

- Turn the [Volume Wheel] to adjust the volume.
- Press [II] during playback to pause and [▶] to resume playback.
- Press [◀/▶] during playback for the previous/next song.
- Long-press [◀/▶] during playback to rewind/fast-forward.
- Drag the indicator to the desired location during playback.
- Press the [O] to go to Home Screen.
- Press [Lyrics] at the bottom of the Control Panel to display lyrics.
- Press [X] at the top of the menu list to hide the menu list.
- Press [Q] at the top of the menu to display the search window and type in the title of the music you want to play to display a list of search results including the searched word.
- Select [Hi-Res] and press [↓F / ↓A] at the top to sort the list by sound quality or alphabetically.
- Press [≡] on the music list to add all music to the current playlist.

- Press [] at the top of the music list to display the Edit Mode.

 : Add selected items to the current playlist at the beginning / at the end / after the current song of Now Playing

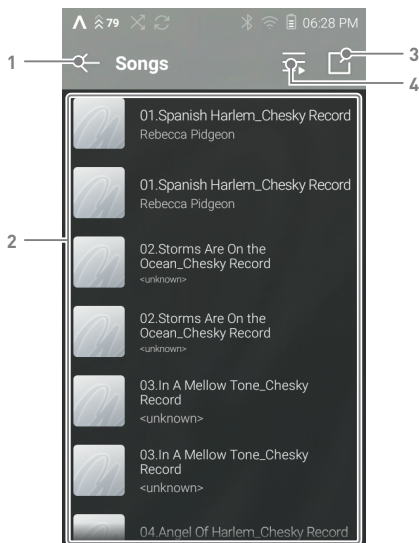
 : Add selected list to playlist

 : Delete selected list

 : Exit Edit Mode

Select all: Select / deselect entire list

Playlist Screen

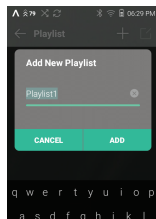
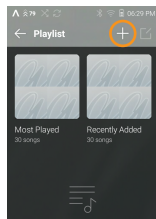


-
- | | | |
|---|------------------|---|
| 1 | Previous | Return to the previous screen. |
| 2 | Playlist | Displays the playlist for the current location. |
| 3 | Edit mode | Display the editing options for the music list. |
| 4 | Play All | Play all songs in the current list. |
-

Playlist Management

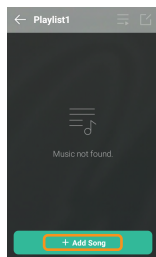
Creating a Playlist

1. Press [Playlists] on the menu to view the playlists.
2. Select [+] in the upper right corner of the screen.
3. Enter a name for the playlist, then press [Add] to create a new playlist.





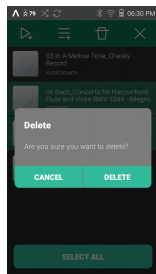
Adding a Song to a Playlist

1. Press [Playlists] to display a list of playlists.
2. Select a playlist and press [+ Add Song] to display a list of songs.
3. Select the desired song, then press [Add] to add the song to the selected playlist.






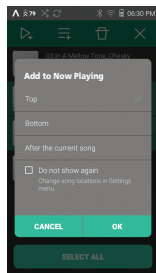
Removing a Song from a Playlist

1. Press [Playlists] on the menu to view playlists.
2. Select the desired playlist and press [] at the top of the screen.
3. Select the music to delete, and press [] on top to delete items from the playlist.




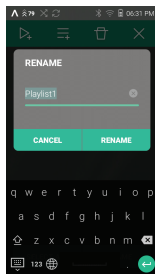
Playing a Playlist

1. Select the desired playlist for playback.
2. Press [] at the top of the playlist, select the music you want to play and press [] to add the selected list at the beginning / at the end / after the current song of Now Playing (go to [Menu - Settings - Playback Settings]). Press [] to play the entire playlist.





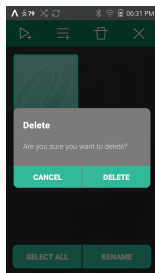
Renaming a Playlist

1. Press [Playlists] to display a list of playlists, then press [] at the top of the screen.
2. Select the playlist to be renamed.
3. Press [Rename] at the bottom of the screen to display a rename window.
4. Enter a name for the playlist, then press [Rename] to save the playlist under the new name.



Deleting a Playlist

1. Press [Playlists] to display a list of playlists, then press [] at the top of the screen.
2. Select the playlist to be deleted.
3. Press [] at the top of the screen to delete the selected playlist.



USB DAC Installation

The USB DAC functionality allows the CT10 to be recognized as a sound card on a computer. Music from the computer is played through the device's earphones port for an enhanced listening experience.

USB DAC Specifications

- Supported OS
 - Windows 7 (32/64-bit) / Windows 8 (32/64-bit) / Windows 10(32bit/64bit)
 - OS X 10.7 (Lion) or later
- USB DAC Support Specifications
 - Supported Formats: WAV, FLAC, WMA, MP3, OGG, APE (Normal, High, Fast), AAC, ALAC, AIFF, DFF, DSF
 - Sample Rate: 44.1 kHz – 96 kHz
 - Bit Rate: 16-bit/24-bit
- Control the volume with the CT10's volume wheel.



Sound will not play back for files that exceed the supported formats. Volume control is unavailable when the LCD screen is turned off during USB DAC connection.

The Previous, Play, and Next buttons are unavailable during USB DAC connection.

Playback may stutter when computer performance is slow or the USB connection is experiencing heavy usage.



There may be issues with audio-to-video synchronization during video playback depending on the sound quality and operating environment.

Volume cannot be adjusted via the Windows volume control. The volume wheel on the device or volume control on the appropriate program must be used to adjust the volume.

How to Use USB Audio

You can enjoy USB audio by linking with a portable amp and DAC available in the market.

How to Link Portable USB DAC


1. Connect the device's micro USB jack with the portable USB DAC with dedicated cable.
2. Press [] after scrolling down the notification bar.
3. Once [] is activated, you can enjoy the music through the portable USB DAC's audio output jack.



The micro USB cable that comes packaged with the device is available for power recharging only by connecting with the PC. For instructions on the dedicated cable, please refer to the manual of the portable USB DAC manufacturer.

How to Change USB Audio DSD Output Type

You can change the output type of DSD data coming out of USB audio.

1. Select a DSD output type on [ - USB audio].
 - PCM: The device's DSD is converted into PCM and comes out through USB audio.
 - DoP: The device's DSD is converted into DoP and comes out through USB audio.



The portable USB DAC must be able to receive digital input through the micro USB's OTG.
Output may not be made properly depending on the digital input specs of the micro USB of the portable USB DAC. This is not a defect in the device and not a ground for exchange or refund.
In the case of using DoP as a DSD output type, no sound may come out except noise depending on the specs of the portable USB DAC.

Settings

Set up the device according to the user's needs. The settings menu may vary depending on the firmware version.

Setup

1. Select [Menu - Settings].
2. Select the desired item for setup.

Wi-Fi

- Change wireless network settings and turn Wi-Fi ON/OFF.



See page 36 of the manual for more information on Wi-Fi settings.

Bluetooth

- Connect a Bluetooth device to listen to music wirelessly.



See pages 37 - 38 for more information on Bluetooth settings.

DLNA Link

- DLNA Link : Enable/disable DLNA Link feature.
- Sleep Mode: The device will automatically go into Sleep Mode if DLNA Link is not used for 10 minutes.
If the Sleep Mode is on, the device cannot be operated by a server.

Equalizer

- Set the equalizer according to the user's preferences.
 - USER EQ: Adjust the frequencies left and right according to the user's preferences.
 - Preset EQ: Select from Flat, Pop, Club, Rock, Classical or Jazz preset options.



Supported Formats for EQ: PCM [8 - 192kHz (8/16/24bit)]

When using the equalizer, the operation of the product may be slower than normal.

See pages 39 - 41 for more information on setting the equalizer.

Line-out

- Set the voltage value generated when Line-out is activated.



Do not use earphones with the Line Out feature enabled. Doing so may cause permanent hearing loss.

USB Output

- Set the output format of a file when connected to a USB DAC.

Gapless Playback

- Play the next song without any interruptions/silence.
 - Gapless playback is only supported between two files with identical bit depths, sample rates, and channels.

Right-left Balance

- Adjust the left-right balance for earphones/headphones.

Playback Settings

- Selecting Music from the menu sets the location and way the song is loaded during playback.

Device Name

- Set the name of the device.
 - The maximum name length is 50 characters.

Notification Panel

- You can add/delete Quick Settings buttons or change their order.

Screen Brightness

- Adjust screen brightness settings.

Date & Time

- Set the current date and time.

Language

- Select the display language.
 - Supported languages: English, Korean, Japanese, Chinese (Simplified/Traditional), Russian, German, French

Keyboard

- Select the keyboard language.
 - Supported languages: English, Korean, Japanese, Chinese (Simplified/Traditional), Russian



Supported languages may vary depending on your location.

Power

- Auto Power Off: The device will be automatically powered off if there is no user input for a defined period.
- Screen Off: The screen will turn off after a defined period when there is no user input.
- Sleep Off: Music playback will stop and the device will turn off after the period defined in [Auto Power Off].

Download

- Select a folder for downloaded files.



Select [Default Folder] for downloading music from DLNA Link. [Select Folder] will prompt the user to manually select a folder for each downloaded file.

System Information

- System Information: View model number, firmware version, MAC address and memory usage information. The microSD card can be mounted/dismounted, and data can be deleted.
- Legal information: Check open source licenses and regulations.



Formatting the microSD card will delete all data on the memory card. Be sure to backup any important files before formatting. When formatting the microSD card from a computer, be sure to select the FAT32 system.

Update


- System: Current firmware status is displayed. If new firmware is available, update icon will appear.
- Services: Current firmware status is displayed. If new firmware is available, update icon will appear.

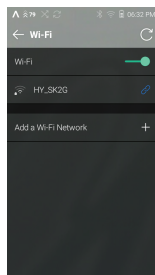
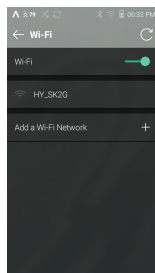
System Reset

- Initialize Media Scan: Re-scans all media on the device. The media scan time may vary depending on the number of files stored on the device.
- Settings Reset: Resets all user settings back to the default setting.
- Factory Data Reset: Deletes all user data and restore the device to its original factory settings.

Connecting to Wi-Fi

Connecting to a Network

1. Long-press [] from the Notification Panel or [Menu - Settings - Wi-Fi] to turn on and display a list of Access Points (AP).
2. Select the desired AP to connect to the wireless network.
 - Additional information such as key index and network key may be required depending on AP settings.



Networks requiring browser or other additional certifications are not supported.
Channels 1 through 13 are supported.


Using Bluetooth

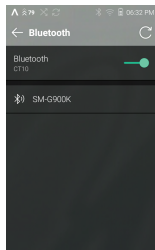
Connect a Bluetooth device to listen to music wirelessly.

Turning Bluetooth on/off

A Bluetooth device must be paired with the device prior to use.

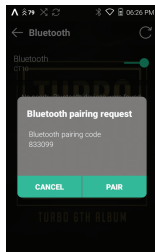
Refer to the Bluetooth device's instruction manual for details.

1. Select [] from the Notification Panel, or select [ON] from [Menu - Settings - Bluetooth].



Bluetooth Pairing


1. Select the appropriate Bluetooth device from the list of available devices.

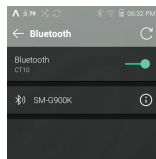


Terminating a Bluetooth Connection

1. Click the connected device and confirm the message prompt to disconnect the device.

Removing a Bluetooth Pairing

1. Press [] to the right of the paired device to go to the settings screen.
2. Select [Remove] to complete the process.




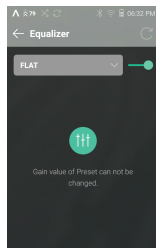
Bluetooth Support Specifications

- Profile: A2DP, aptX HD, AVRCP
- Device performance may be affected during Hi-Fi playback. Do not turn off the device while connected to Bluetooth. Power cycle the Bluetooth device in case of malfunction. Pairing methods may differ for each individual Bluetooth device. Always refer to the respective instruction manual for details. When connecting the product to a Bluetooth device, the distance between the two must be within 20 cm. Audio quality will degrade with longer distances and the pairing may disconnect at a distance of 2 m (6.5 ft.) or more. (Distances may vary depending on device and environment.) Crosstalk may be heard while using Bluetooth. For multi-point devices, make the necessary connections prior to use. Car audio Bluetooth connections are not supported. Malfunction, noise, and other undesirable effects may occur due to the device's battery level and the environment.
- If signal interference affects data transmission. (e.g., holding the device while wearing a Bluetooth device, holding the device while holding another electronic device, etc.)
- If the device or Bluetooth headset's radio transmitters are touching parts of the body.
- If the transmission strength is affected by walls, corners, partitions, etc.
- If devices using the same frequencies cause interference. (e.g., medical devices, microwave ovens, Wi-Fi, etc.)
- Areas with an excessive amount of interference or weak signals. (e.g., elevators, underground, etc.)

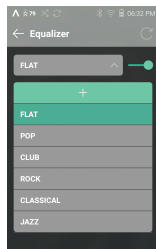
Equalizer Setup

Equalizer Setup

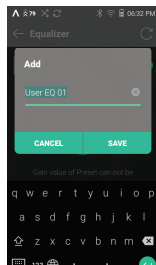
1. Long-press [] from the Notification Panel or [Menu - Settings - Equalizer] to turn on or change settings.



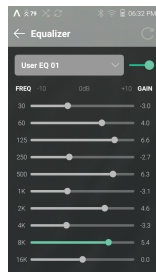
2. Select the current EQ and press [+].



3. Enter a name for the custom EQ settings and select [Save].

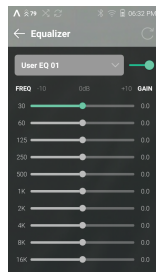


4. Move the sliders to adjust the frequencies according to your preferences.




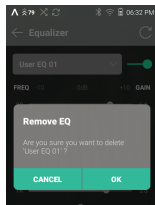
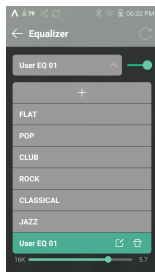
Resetting the Equalizer

1. Select the user EQ to initialize and press [↺] at the top of the screen to revert the EQ to its default settings.




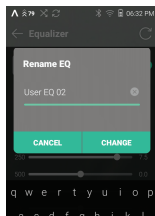
Deleting Equalizer

1. Select the current EQ to display the EQ list.
2. Press [] next to the desired item to delete the selected equalizer.



Renaming an Equalizer

1. Select the current EQ to display the EQ list.
2. Press [] next to the desired item and enter a new name for the selected equalizer.
3. Press [Rename] to apply the changes.



Safety Precau- tions

Device

- When a plug is inserted into the earphone or USB port, do not apply any force or impact to the plug.
- Do not insert any metal objects (coins, hairpins, etc.) or flammable debris into the device.
- Do not place heavy objects on the device.
- In case the device gets wet (rain, water, chemicals, medicine, cosmetics, sweat, moisture, etc.), do not power on the device and allow it to dry thoroughly. Contact the Customer Support Center. (Malfunctions due to exposure to liquids will be repaired for a fee regardless of the warranty period and such damage may not be repairable.)
- Avoid exposing the device to direct sunlight or extreme temperatures (-10°C - 50°C; 14°F - 122°F) such as the inside of a car during the summer.
- Do not store or use in hot and humid places such as saunas.
- Avoid places with excess moisture, dust, or smoke.
- Do not use for an extended period on blankets, electric blankets, or carpet.
- Do not place near a fire or in a microwave.
- Never attempt to disassemble, repair, or alter the product.
- Do not store for extended periods in a confined space with the power on.
- Do not place the device near magnetic objects (magnets, televisions, monitors, speakers, etc.).
- Never use chemicals or cleaning products on the device since they can damage the paint and surface coating.
- Avoid dropping or subjecting the device to a strong impact (excessive vibration, etc.).
- Do not press more than one button simultaneously.
- Do not disconnect the 5-pin micro-USB cable during data transfer.

- When connecting the 5-pin micro-USB cable, use a USB port on the back of the computer. Connecting to a poorly assembled or defective USB port may damage the product.
- Displaying one image for an extended period may cause screen burn-in (after image).
- Using poor quality protective films or adhesive stickers on the screen may cause damage.
- Do not insert any foreign objects into the earphone port.
- Playing and charging the device may generate heat, so handle carefully.

Other

- Do not use earphones/headphones or use the product while operating any type of vehicle. It is not only dangerous but may be a violation of the law in certain regions.
- Do not use the product during physical activities (driving, walking, hiking, etc.).
- Always use in a safe environment to avoid the risk of accidents.
- Always be aware of your surroundings when using the device while moving.
- Avoid using the device during thunderstorms to reduce the possibility of electric shock.
- If there is a ringing in the ears during or immediately after use, reduce the volume or discontinue using the product and obtain medical advice.
- Do not listen to music at excessive volumes for extended periods.
- Do not use the earphones/headphones at excessive volume.
- Be careful not to get the earphones/headphones caught in other objects.
- Do not sleep with earphones in your ears or leave them in for extended periods.

Trouble-shooting

Check for solutions to common problems.

1. The device won't turn on.
 - The battery may need to be recharged. Charge the device for at least one hour and try again.
 - Reset the device and try again. (See Page 4.)
2. The device will not charge when connected to a computer via 5-pin micro-USB cable.
 - Connect to the computer using the 5-pin micro-USB cable.
 - Connecting to the computer via a micro USB cable will not charge the product.
 - Use the 5-pin micro-USB cable to connect the adapter.
3. The computer won't recognize the device or an error occurs when connected.
 - Use a USB port on the back of the computer.
 - Check if the 5-pin micro-USB cable is connected correctly.
 - Check if the device connects properly on a different computer.
4. The screen turns off repeatedly.
 - The screen turns off automatically after a defined period to reduce battery consumption. Set the time at [Menu - Settings - Power - Screen Off].
5. The screen does not display images properly.
 - Check the screen for debris.
6. There is no sound, or there is static/interference.
 - Check that the volume setting is above [0].
 - Check that the earphones are plugged in properly and make sure debris isn't obstructing the port connection.
 - Verify that the music file is not corrupted.

7. A file does not play or the product is unstable when a certain file is used.
- The following may occur due to the condition of the file:
 - Playback is unstable or difficult.
 - The product may not work normally.
 - The file may sound different from a computer.
 - There may be a difference in the performance of playback or other functions.
 - There may be differences in the playable specifications.
 - A file conversion or use of a different file is recommended.

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The CT10 was designed and audio-tuned under the advisement of MSD.

Certifications

FCCID: 2AOLDAPP11

This device complies with Part 15 of the FCC Rules, Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Registered Trademarks

Windows 7, Windows 8, Windows 10 and Windows Media Player are trademarks of Microsoft Corp.

Disclaimer

The manufacturer, importer, and distributor shall not be liable for damages including accidental and personal injury due to the improper use or operation of this product.

The information in this user manual was written based on current product specifications. The manufacturer, groovers Japan, is adding new complementary features and will continue to apply new technologies in the future.

All specifications may be changed without prior notice.

There is no warranty against data loss due to the use of this product.

The device must be used a minimum of 5 mm away from the human (body) in normal use conditions.

Specifications

General Specifications	
Model	CT10
Body Color	Cool White
Body Material	Polycarbonate
CPU	Quad-Core
Display	3.3inch WQVGA (480x854) / Touchscreen
Supported Audio Formats	WAV, FLAC, WMA, MP3, OGG, APE, AAC, ALAC, AIFF, DFF, DSF
Sampling Rate	FLAC, WAV, ALAC, AIFF: 8kHz - 192kHz (8/16/24-bits per sample) DSD: DSD64/128/256, Stereo (DSD to PCM)
Output Level	1.85 Vrms
DAC	CS4398x1 (Single DAC)
Decoding	Support up to 24 bit / 192 kHz Bit-to-Bit Decoding
Input	USB Micro-B input (for charging & data transfer (PC & MAC)) Connection Mode: MTP
Outputs	Phones (3.5 mm)
Wi-Fi	2.4GHz (B,G,N)
Bluetooth	V4.1 [A2DP, AVRCP, aptX HD]
Dimensions	2.57" [65.2 mm][W] x 3.67" [93.2 mm][H] x 0.61" [15.5 mm][D]
Weight	112g (Main Unit)
Audio Specifications	
Feature Enhancements	Firmware Upgrade Supported (OTA)
Frequency Response	±0.05dB (Condition: 20 Hz ~ 20 kHz) ±0.6dB (Condition: 10Hz~70kHz)
S/N	115dB @ 1kHz TBD
Crosstalk	130dB
THD+N	0.0005% @ 1kHz TBD
SMPTE IMD	0.0004% 800Hz 10kHz [4: 1]
Output Impedance	Phones 3.5mm [2ohm]
Memory	
Built-in Storage	16GB [NAND]
External Memory	microSD [Max.256GB] x 1
Battery	
Capacity	2,500mAh 3.7V Li-Polymer Battery
Supported OS	
Supported OS	Windows 7,8,10 [32/64bit] MAC OS X 10.7. and up