

PLENUE D2

USER'S GUIDE ver. 1.1 EN

THANK YOU FOR PURCHASING A COWON PRODUCT.

We do our utmost to deliver DIGITAL PRIDE to our customers.

This manual contains information on how to use the product and the precautions to take during use.

If you familiarize yourself with this manual, you will have a more enjoyable digital experience.

Product specification may change without notice.

Images contained in this manual may differ from the actual product.

COPYRIGHT NOTICE

Introduction to website

- + The address of the product-related website is <http://www.COWON.com>.
- + You can download the latest information on our products and the most recent firmware updates from our website.
- + For first-time users, we provide an FAQ section and a user guide.
- + Become a member of the website by using the serial number on the back of the product to register the product.
You will then be a registered member.
- + Once you become a registered member, you can use the one-to-one enquiry service to receive online customer advice.
You can also receive information on new products and events by e-mail.

General

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- + This manual is copyrighted by our company, and any unauthorized reproduction or distribution of its contents, in whole or in part, is strictly prohibited.
- + Our company complies with the Music Industry Promotion Act, Game Industry Promotion Act, Video Industry Promotion Act, and other relevant laws and regulations. Users are also encouraged to comply with any such laws and regulations.
- + As soon as you purchase the product, visit the website (<http://www.COWON.com>), and become a registered member. You will benefit from various member services.
- + This manual is based on product specifications, and various exemplary texts, illustrations, pictures, detailed functions and H/W and S/W specifications contained herein can be altered without any prior notice by the copyright owner.

BBE information

- + BBE Sound, Inc. owns the license to the BBE name and information as applied to this product, in compliance with USP4638258, 5510752 and 5736897.
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PRECAUTIONS

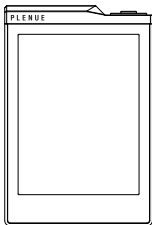
As these precautions are provided for the correct use of the product as well as user safety, be sure to familiarize yourself with them. The company will not be held responsible for any accident that may occur due to the failure to heed these precautions. The following information applies to all products manufactured or produced by our company.

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- | | |
|--|--|
| <ul style="list-style-type: none">+ Do not use this product for other purposes than those described in this manual.+ Handle manual, product package materials, accessories, etc with care to prevent cuts and injuries to your body.+ Do not view videos, pictures and texts stored in your player while driving a vehicle for your safety. Operating other features of the player is also dangerous and may cause fatal accidents while driving.+ The wearing of earphones while operating a vehicle, exercising, or walking may impair, mask or prevent recognition of emergency signals, alarms, and announcements. Doing so may also be unlawful depending on the region.+ Do not use detergent or other chemicals on the product surface as it may cause fading. In this case, wipe the soiled area carefully with a soft cloth.+ Do not expose the player in either cold weather of under 0°C(32°F) or hot temperature over 40°C(104°F) such as inside automobiles. This may cause fatal damages to your player.+ Do not expose the player to water or keep it in a damp or humid location for an extended period of time. If the player is damaged from moisture as described above, product failure is then classified as a user's misuse. | <ul style="list-style-type: none">+ Take extra care not to apply external shock or pressure when using products with displays(LCD, AMOLED, or Touch Pad). Warranty may be voided if damage occurs due to the aforementioned circumstances.+ Do not attempt to disassemble the player. Disassembly will void the warranty and the unit will be permanently disqualified from any warranty services.+ Do not mix directions when connecting cables to your player or PC. Connecting cables incorrectly may damage your player or PC. Also, do not bend or press connection cables with heavy objects.+ Be sure to avoid charging the product in the vicinity of a heating apparatus or in a high-temperature environment. To minimize the risk of damage or fire, never cover the device with any objects (blanket, towel, etc.) or block the natural heat dissipation while charging or during operation.+ If you smell something burning or feel excessive heat while using the product, press the RESET button to stop operation and contact the place of purchase.+ Touching the player with wet hands may cause damages and malfunctions. Handle the power plug only with dry hands (otherwise an electric shock may occur). |
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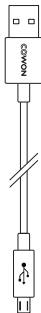
PRECAUTIONS

-
- + Listening at high volume (85dB and above) for an extended period of time may harm your hearing.
 - + For your protection, use the player in a well lit area where LCD screen will not overly strain your eyes.
 - + Using the player in places with high occurrences of static electricity may cause malfunctions.
 - + In case of using this device primarily for a storage device, it is recommended to back up all data before use. Our company is not responsible for any loss of data, for any reason.
 - + All data stored in the player may become deleted when being serviced. Our company is not responsible for any loss of data that occurs during repair. Be sure to back up data to a safe place before sending your device for repairs.
 - + Keep the player in cool and ventilated places, away from direct sunlight as it may cause deformation and damages to internal circuitry or LCD screen.
 - + For your safety, be sure to always use genuine cables provided by our company.
 - + If you are using a product that comes with an AC power adaptor, please use the genuine charger offered by COWON.
 - + When connecting to a PC, use only USB ports on the mother board or a USB Host card. Using an external USB hub may not guarantee proper operation(e.g. USB ports on a keyboard or an external USB hub).
 - + When formatting the built-in memory, select the file system specified in the manual(e.g. FAT32 / FAT16 / NTFS).
 - + Be sure to disconnect the power supply to the PC and USB power adaptor during lightning or thunder storm, to prevent danger to the user or the risk of fire hazards.
 - + Keep the player away from magnets and direct magnetic fields, as they can cause malfunctions.
 - + Do not drop or expose the product to hard impact. This may result in malfunctions and/or unit failure, voiding the warranty.
 - + If you find any abnormalities with the battery such as swelling, press the RESET button immediately to stop the operation and contact the place of purchase.
 - + The price of the product may fluctuate due to unexpected commercial conditions. Our company is not obligated to provide cash compensation for any reason.
 - + <For MAC OS users>
'EJECT' procedure must be performed when removing the product from the Mac.

PACKAGE CONTENTS



PLENUE D2



Micro USB Cable



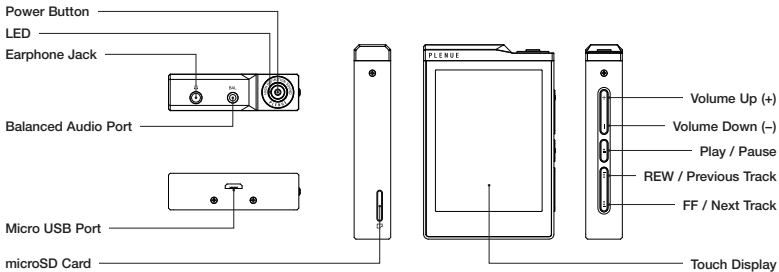
Quick Guide



Warranty

* Actual package contents may differ from the above images.

NAMES OF PARTS AND FUNCTIONS



BUTTONS

01



Power On / Off ¹⁾

Press and hold the  button to turn on the product. While turned on, press and hold the  button to turn off the product.

Display On / Off ²⁾

Press the  button briefly to turn on / off the screen.

02



Volume Up / Down ³⁾

Adjusts the volume in 140 levels. Press and hold the button to quickly raise or lower the volume.

03



Play / Pause

Press the button to play the track. While playing, press the button to pause the track.

04



Previous Track / Next Track

Press briefly to select the previous or next track.

Rewind / Fast Forward

Press and hold to rewind or fast forward.

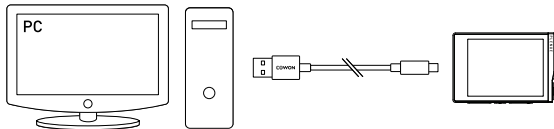
¹⁾ Sleep mode can be adjusted in 'Settings ► System ► Sleep mode'

²⁾ While the screen is turned off, the touchscreen display will not respond to inputs, and the LED will blink white.

³⁾ If the buttons or touch screen do not respond during use, press and hold the volume + and – buttons to reset for 6 seconds or more.

* All Physical buttons can be locked except the Power button. 'Button lock' can be adjusted in 'Settings ► System ► Button lock'

POWER CONNECTION AND CHARGING



1. Micro USB cable connects the PC and Micro USB port.
2. The LED indicates the status of the battery charge. (Red - Charging, Green - Charging Complete)

- PLENUE D2 can also be charged with an authentic Micro USB DC adapter for smart phones. If 5V/1A or higher Micro USB DC adapters are used, charging will be finished in approximately 3.5 hours. The charging time may vary if the product is in use while charging.
- Be sure to connect the device directly to a USB port located on the back of the PC. The device may be unable to establish a connection or be charged as the power supply from a front USB port or a non-powered external USB hub may be unstable.
- Fully charge the product before using it for the first time or after a period of disuse.
- For your safety, do not charge the product in an enclosed space such as under a blanket or inside a bag. Charge the product in an open space.

CONNECTING AND DISCONNECTING FROM THE PC

1. Use the Micro USB cable to connect PLENUE D2 to your PC.
2. Press and hold the  button to turn on the product.
3. The connection image appears on the PLENUE D2 screen.
4. Also make sure to check My Computer or Windows Explorer to see if PLENUE D2 is properly connected to the PC.
5. Use PLENUE D2 to copy the track you wish to listen to.
6. When done, click the  icon on the system tray to safely remove PLENUE D2 from the PC.
7. Click the popup message.



8. Make sure that PLENUE D2 has been safely disconnected, then remove it from the PC.



- The maximum number of files and folders that can be recognized by the product.

* Built-in : 8,000 files + 4,000 folders
microSD : 16,000 files + 8,000 folders

- Disconnect the product after performing 'Safely remove hardware' function.

- The following message may appear randomly, but it does not indicate that the product is malfunctioning. Please try again.

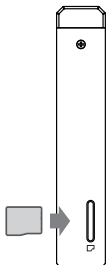


- If your operating system does not display the 'Safe To Remove Hardware' window, disconnect the player after all transfer operations are completed.

- Only simple file transfer operation is available for Linux and Mac OS.

- The PLENUE D2's internal storage and any external microSD cards (64GB or more) must be formatted using an FAT32 formatting tool (e.g. guiformat) to be properly recognized. (32KB or more allocation unit size is recommended.)

INSERTING AND REMOVING THE microSD CARD

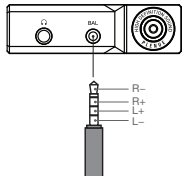


1. Properly place the microSD Card in the microSD card slot as shown in the picture.
Gently press the card to insert it.
2. When the database is automatically refreshed,
the music files on the microSD card can be viewed.
3. When removing the microSD card, turn off the power,
then press the microSD card again to remove it.

* For data protection, always turn off the power before removing the microSD card.

* Large-capacity microSD cards (64GB or more) must be formatted using an FAT32 formatting tool (e.g. guiformat) to be properly recognized. (32KB allocation unit size is recommended.)

CONNECTING TO BALANCED AUDIO PORT



Pin Arrangement of
Balanced Audio Port
(2.5mm 4-pole)

PLENUE D2 has a high quality balanced line-out port that outputs + and - audio signals.

1. Connect balanced cable-supporting headphones (or a in-ear headphones) to the balanced line-out port (2.5mm).
2. Connect the receiver to the balanced audio port and check the icon status in the upper-right corner of the screen. ()

* The status icon in the upper-right corner of the screen will change when a receiver is connected to the unbalanced audio port. ()

* Balanced and unbalanced output cannot be generated at the same time.

FIRMWARE UPGRADE

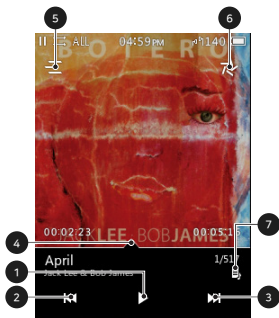
The firmware uses built-in programs in the hardware and upgrades to improve product capabilities and fix bugs in the software. PLENUE D2 may use the firmware to adjust product performance or methods of use without prior notice, and minor malfunctions in the firmware may occur.

How to upgrade the firmware

1. Download the latest firmware from the SUPPORT section of the website (<http://www.COWON.com>).
2. Use the Micro USB Cable to connect PLENUE D2 to the PC.
3. Unzip the downloaded firmware and copy it to the root folder of PLENUE D2.
4. Once the product is safely disconnected, remove the Micro USB cable.
5. When you turn on the product, the firmware upgrade process will start.
6. When firmware upgrade is complete, turn on the power and go to 'Settings ► System ► Information' to check the version of the installed firmware.

- Fully charge the player before upgrading the firmware.
- Do not turn the player off before the firmware update has been completed. It may damage the product, and will void any warranty.
- Back up any important data before the firmware upgrade as any data stored on the device may be deleted during the process. COWON accepts no liability for any loss of data.

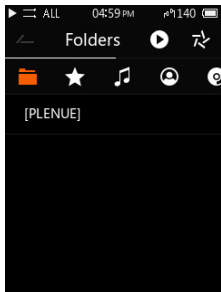
PLAYBACK SCREEN



- ① Play / Pause the track.
- ② Press briefly to go to the previous track. Press and hold to rewind.
- ③ Press briefly to go to the next track. Press and hold to fast forward.
- ④ Drag the bar to the desired point in the track.
- ⑤ Navigate to the Music Selection Screen.
- ⑥ Adjust the playback settings.
- ⑦ If this icon is displayed, click on the album artwork to see the lyrics in the album information screen.

MUSIC SELECTION

Select a folder, artist, or album to view the corresponding track list.



View track lists by folder.



View track lists added to Favorites.



View all tracks saved in the product.



View track lists by artist.



View track lists by album.



View track lists by genre.



View track lists by song year.



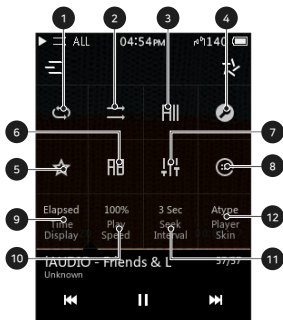
View track lists by new files.



View the playlists.

* In the Track List Screen, press and hold  to navigate to the Initial Track List Screen.

PLAYBACK SETTINGS



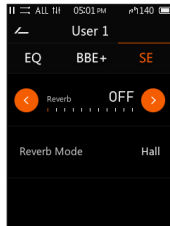
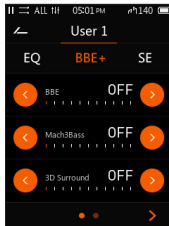
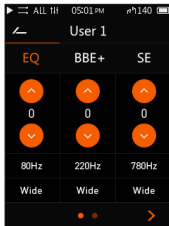
- ① Enable looping.
- ② Enable shuffling.
- ③ Choose to play a track, all tracks, or a folder.
- ④ Navigate to Detailed Settings.
- ⑤ Add the current track to Favorites.
- ⑥ Replay a section of the track.
- ⑦ Select the preset for JetEffect 5.
- ⑧ Start Matrix Browser.
- ⑨ Show time elapsed or time remaining.
- ⑩ Playback speed can be set.
- ⑪ Set the Rewind/Fast Forward speed.
- ⑫ Select the skin on the playback screen.

- PLENUE D2 provides Gapless Playback to remove gaps between tracks during playback. Gapless Playback is applied in all situations without additional setup.

DETAILED SETTINGS

JetEffect 5 Settings

1. In Detailed Settings, select JetEffect 5 .
2. Select User 1 / User 2 / User 3 / User 4 and set the user presets.
3. EQ : Change the tone by adjusting the level of each frequency.
4. BBE : Select and apply BBE sound effect.
5. SE : Select and apply Reverb and Reverb mode.



* Press the  button to set the EQ and EQ filter values for all 5 bands.

DETAILED SETTINGS

JetEffect 5 Settings

Select from 44 presets for JetEffect 5.	Normal / BBE / BBE VIVA / BBE VIVA 2 / BBE Mach3Bass / BBE MP / BBE Headphone / BBE Headphone 2 / BBE Headphone 3 / Rock / Jazz / Classic / Ballad / Pop / Club / Funk / Hip Hop / Techno / Blues / Metal / Dance / Rap / Wide / X-Bass / Hall / Vocal / Maestro / Feel the Wind / Mild Shore / Crystal Clear / Reverb Room / Reverb Club / Reverb Stage / Reverb Hall / Reverb Stadium / Reverb Chamber / Reverb Room 2 / Reverb Club 2 / Reverb Hall 2 / Reverb Auditorium / Reverb Cathedral / Reverb Stadium 2 / Reverb Canyon / Reverb Long	
You can manually adjust BBE, 3D Surround, etc. using 4 different user presets.	User 1 / User 2 / User 3 / User 4	
JetEffect 5 is the most sophisticated and powerful sound technology. It brings listeners closer to the natural presence and impact of a "live performance" than ever before.	BBE	Sound effect that refines the sound quality. (Phase correction)
	Mach3Bass	Provide deeper, tighter, and more musically accurate bass frequency.
	3D Surround	Provide the three-dimensional surround sound effect.
	MP Enhance	Restore and enhances the harmonics lost through compression.
	Reverb (9 modes)	Maximize the natural and live presence of the sound.

* You may hear distortion or noise when using extreme settings of JetEffect.

* Overall operation speed may be adversely affected when using JetEffect while playing high-resolution music files (e.g. 24bit, 192kHz).

* For detailed information about BBE, please see the introduction to BBE on our homepage(www.COWON.com).

DETAILED SETTINGS

Display

Language : Select the system language from 17 different languages.

Font : Change the display font.

Time Display : Show time elapsed or time remaining.

Auto display off : If there is no activity for a set amount of time, the screen automatically turns off.

Brightness : Adjust the brightness of the screen in 10 levels.

Show song change : If a playing song is changed when the screen is off, the screen turns on automatically and shows the information of a newly changed song for 5 seconds.

Timer

Time : Set the current time.

Date : Set the current date.

Timer

Auto off : Automatically turn off the device or enter sleep mode if there is no activity for a specified period of time.

Sleep timer : Automatically turn off the device or enter sleep mode after a specified period of time.

Music

Skip interval : Set the skip interval in various units. (Extended function of 'previous track/next track') Choose an interval of Track/2/3/4/5/10/20/30 seconds.

Seek interval : Set the search speed for Fast Forward/Rewind. Choose an interval of 3/5/10/20/30 seconds for the search speed.

Resume : Turn the setting on/off to resume the last track when the power is turned on.

Playback Speed : Playback speed of currently playing file can be set (50%~150%).

DAC filter : You can adjust the sound by changing the filter type of the DAC.

System

Hearing Protection : Hearing Protection can be set.

Button lock : Restrict the operation of physical buttons while the screen is turned off.

Sleep mode : Set Sleep mode.

Audio L/R : Adjust the stereo balance of the audio.

LED : Turn the LED light on or off on the back power button when the screen is turned off.

Database update : Refresh the internal database in the product.

Load defaults : Reset all settings to the default.

Information : Check the firmware version, available memory, and memory used.

PRODUCT SPECIFICATION

Model Name	PLENUE D2		
Product Capacity	Built-in Memory ¹⁾ : 64GB / External Memory : microSD SDXC		
Display	2.8" Wide Angle Touch LCD (240x320)		
Dimensions & Weight	53.1mm(W) x 79.2mm(H) x 14.9mm(D) / 97g		
Buttons	POWER, PLAY/PAUSE, VOL+, VOL-, FF, REW		
Audio	File Formats	DSD(DFF, DSF, ISO) / FLAC / WAV / AIFF / ALAC / APE / MP3 / WMA / OGG	
	Audio Codecs	DSD : ~5.64MHz (DSD64, DSD128) FLAC, WAV, AIFF, ALAC : ~24bit/192kHz ~ 32bit WAV, WAV Tag Supporting MP3 : MPEG 1/2/2.5 Layer 3, ~320kbps WMA : ~320kbps, ~48kHz APE : Fast, normal, and high compression rates (~16bit/48kHz) OGG : ~Q10, ~44.1kHz	
	Lyrics	LRC, LDB	
	Playback Speed	50~150%, Supports Pitch Correction ²⁾	
	JetEffect 5	48 Presets (44 Presets + 4 User Presets)	
		EQ	5 Band Equalizer (EQ Filter)
		BBE+	BBE, Mach3Bass, 3D Surround, MP Enhance
		Special Effect	Reverb (9 modes)

¹⁾ Actual capacity may vary due to system memory used by the product.

²⁾ Partial formats such as DSD will not be supported and the smoothness of the playback speed control may vary in reference to music tracks.

PRODUCT SPECIFICATION

Audio Characteristics	DAC	CS43131 X 2 (Dual DAC)
	SNR	125dB Unbalance / 130dB Balance
	THD+N	0.0004% Unbalance / 0.0005% Balance (24bit, 48kHz)
	Stereo Crosstalk	-120dB Unbalance / -143dB Balance
	Output	2.0Vrms Unbalance / 4.0Vrms Balance
	Output Impedance	1.0Ω Unbalance / 1.5Ω Balance
	Volume	140 Levels
Battery & Power	Battery	Built-in Rechargeable Lithium Polymer Battery
	Playback Time	Approximately 45 hours (MP3, 128kbps) / 30 hours (24bit, 96kHz, FLAC) ³⁾
	Charging Time	Approximately 3.5 hours (with 5V/1A or higher Micro USB DC adapter)
Output Port	Earphone Jack (3.5mm) / Balanced Audio Port (2.5mm)	
Player	Matrix Browser, Multi-Favorite	
System Requirement	CPU	Pentium III 500MHz or higher
	OS	Windows 10 / 8 / 7 / Vista / XP / 2000 / ME : All functions supported MAC OS 10.x / Linux v2.4 or higher: File transfer supported
	USB Port	2.0 High Speed (recommended)

³⁾ The playback time is based on the company's own test standards, thus it may differ from the actual playback time.

TROUBLESHOOTING

+ I am still confused even after reading the manual.

COWON website(www.COWON.com) provides support for users of COWON products with FAQ (Frequently Asked Questions). Users are strongly encouraged to check out the website for further information regarding product usages and firmware upgrades. For individual inquiries, please contact us on-line as we will try to help you as best as we can.

+ The player does not turn on.

Verify the battery level or that the device is connected to a power supply. Charge the battery for a certain period and turn on vv if the battery is completely discharged. If the buttons or touch screen do not respond during use, press and hold the volume + and – buttons to reset for 6 seconds or more.

+ I can't hear any sound.

Check if the volume is set to "0". Check if there is any file available in the player. If there is no file in the player, you will not hear any sound. Please note that corrupted files will result in a noise or discontinued playback. Make sure the earphones are connected properly. Impurities in the earphone jack can cause a noise.

+ I've set the incorrect language, and now I can't operate the device.

If you've set the incorrect system language, connect the device to your computer, delete the 'SYSTEM' folder of the device, and then reboot the device. You will be able to select the language the same as the initial setup.

* If you've set user EQ profiles, be sure to back up the profiles before deleting.

+ Files that I have stored do not appear in the list.

Each mode shows you a list of playable files only. To view all files that you have stored, select the Browser mode. Please note that System folder will not appear in the Browser.

+ Computer cannot recognize the player when connected.

If connection is unstable due to frequent disconnects, connect directly to the USB port on the main board of the PC.

+ Memory capacity of the player is different or smaller than specified.

The memory capacity indicated by Windows may be different from that indicated by the memory manufacturer. The actual capacity will be reduced from the original size because some space of the memory should be used as the system area for normal operation.

+ The player does not play properly when memory is full.

Part of the memory is used for settings and system memory in the product. If files are saved in this space, the product may not function properly. Therefore, please keep a minimum of 100MB of free memory while using the product.

+ After formatting the product on my PC, it can no longer be read by my PC, the memory has been reduced, or the file transfer rate is slower.

The built-in memory of the product is already formatted and does not require additional formatting. The PLENUE D2's internal storage and any external microSD cards (64GB or more) must be formatted using an FAT32 formatting tool (e.g. guiformat) to be properly recognized. (32KB allocation unit size is recommended.)
This product does not support the format of MAC OS.



PLENUE

www.COWON.com