EPSON

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Multimedia Storage Viewer P-4500

Quick Reference Guide

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Contents

Warnings, Cautions, and Notes

W *Warnings*
must be followed carefully to avoid bodily injury.

! *Cautions*
must be observed to avoid damage to your equipment.

Notes
contain important information and useful tips on the operation of your device.

! *Caution:*

❏ *Do not expose the device to severe impact, doing so may cause malfunctions especially during turning operations.*

❏ *Do NOT format the device's hard disk drive from your computer, as this will render the device inoperable. If this happens, you should contact an authorized Epson service center. Repairs will be chargeable and are not covered by Epson's warranties.*

❏ *Do not drop or apply any shock to the device. Take care when carrying it, as strong shocks may damage the internal hard disk drive and cause data to be lost.*

❏ *Epson is not responsible for backing up or recovering data. We recommend that you make your own backup files.*
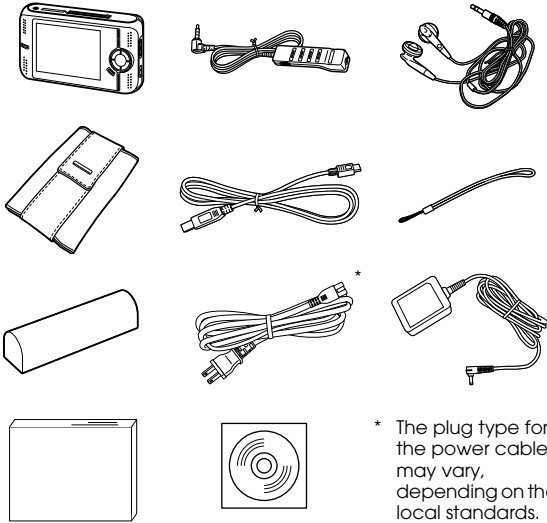
Note:
For other cautions and more information about the device usage, see the User's Guide in the supplied software CD-ROM.
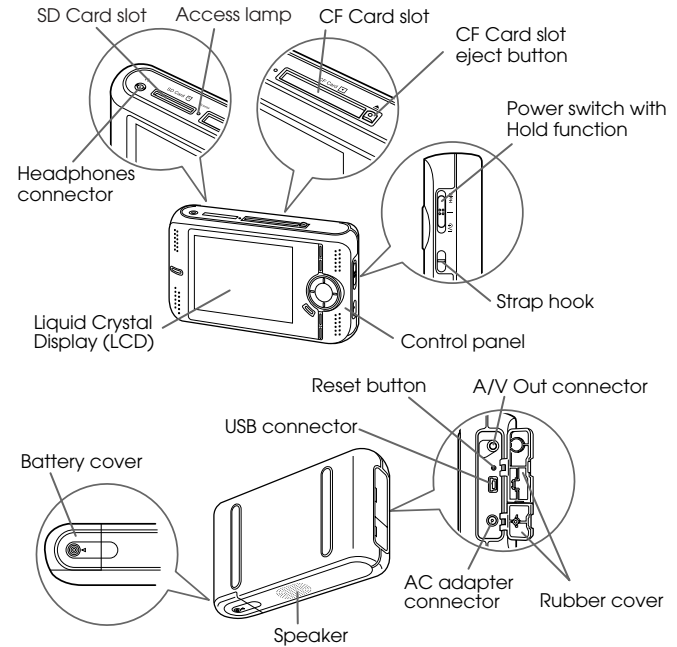
Chapter 1

Getting Started

Unpacking Your Device

Make sure that all of the items shown below are included in the box with your device.

* The plug type for the power cable may vary, depending on the local standards.

Parts

SD Card slot   Access lamp   CF Card slot

CF Card slot eject button

Power switch with Hold function

Headphones connector

Liquid Crystal Display (LCD)

Strap hook

Control panel

Reset button   A/V Out connector

USB connector

Battery cover

AC adapter connector   Rubber cover

Speaker

LCD and control panel

Charge lamp — Home key — Menu key

Illumination lamp

4-way ring

Cancel key

OK key

Tag key — Display key

Remote control

Headphones connector — Play/Pause key

Skip forward key

Skip back key

Volume up key

Volume down key

Plug

Remote control Hold switch
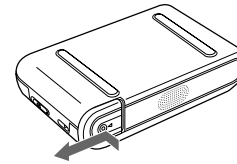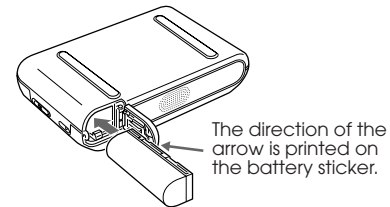
Setting Up the Device

Installing the battery
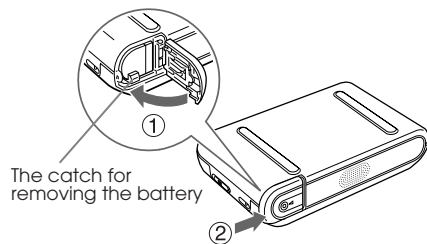
1. Open the battery cover.

2. Insert the battery into the compartment in the direction of the arrow on the battery sticker.
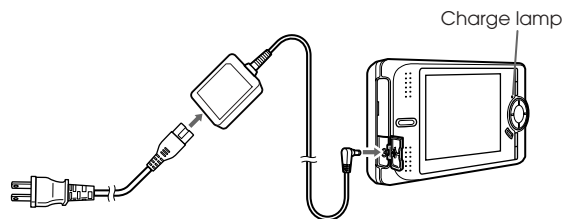

The direction of the arrow is printed on the battery sticker.

3. Close the battery cover and slide it to the right until it clicks.

The catch for removing the battery

To remove the battery, open the battery cover, then push the catch down.

Charging the battery

Connect the AC adapter, then plug the other end into a power outlet.

Charge lamp

The Charge lamp will glow during charging (It takes about 3.5 hours to fully charge the battery when the power is off).

> ⚠️ *Caution:*
> ❏ *Disconnect the AC adapter when removing the battery.*
>
> ❏ *Do not connect the AC adapter when the battery is not installed. Doing so may cause this device to be damaged.*

Battery indications:
The battery status is always displayed in the top right corner of the LCD.

▭ : Indicates sufficient battery power.

▭ : Indicates moderate battery power.

▭ : Indicates low battery power.

▭ : Indicates battery power is running out. This device is shut down automatically. Charge the battery using the AC adapter.

▭ : Indicates the AC adapter is connected to the device.

Turning the power on

Slide the power switch to I/⏻.
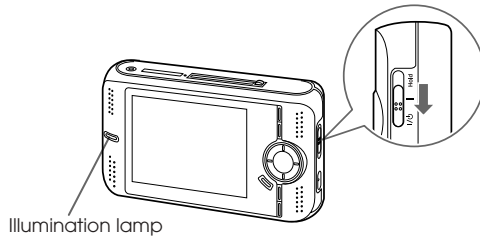
Illumination lamp

The Illumination lamp turns on.

To turn the power off, slide the power switch to I/⏻ and hold down until the shut down display appears.

When you turn on this device the first time:
The Language screen and Date and Time screen are displayed.

1. Select the language to use with the 4-way ring, then press the OK key.

2. After the message saying "Set current Date and Time. Press CANCEL to finish setting." appears, press the OK key to proceed. Press the Cancel key to finish.

3. Select the setting to change using the Up or Down key, then press the OK key.
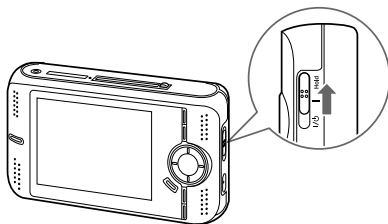
4. Press the Up or Down key to change the value of the setting, then press the OK key.

5. Repeat steps 2 and 3 until you finish the date and time settings.

6. After you finish all settings, press the Cancel key.

Note:
Even if you remove the battery, the data and time settings will be maintained for approximately one day.

Holding the key operations

Slide the power switch to Hold.

To release Hold, slide the power switch back to the middle.

Home screen

After turning on the device, the Home screen appears.

To return to the Home screen, press the Home key.
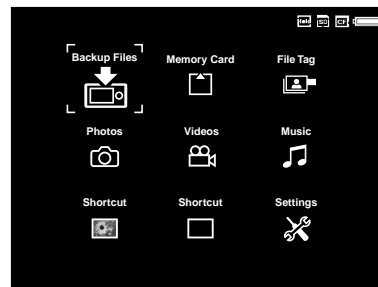
▭ (Battery)	Indicates the remaining charge in the battery (page 3).
CF (CF)	Indicates the CF memory card is set (page 9).
SD (SD)	Indicates the SD memory card is set (page 9).
Hold (Hold)	Indicates the key operations are on hold (page 5).

(Backup Files)	Select to display files/folders backed up from CF/SD memory cards.
(Memory Card)	Select to display files on CF/SD memory cards or store memory card data onto this device.
(File Tag)	Select to display the tagged files categorized according to the tags.
(Photos)	Select to display files/folders stored in the Photos folder.
(Videos)	Select to display files/folders stored in the Videos folder.
(Music)	Select to listen to the music stored via the Epson Link2 software (page 21).
(Shortcut)	Select to display the folder with a shortcut mark.
(Settings)	Select to set this device's various settings.

Resetting the device

When an error occurs and operations cannot be done, you can reset the device by pressing the Reset button with a thin object as shown below.
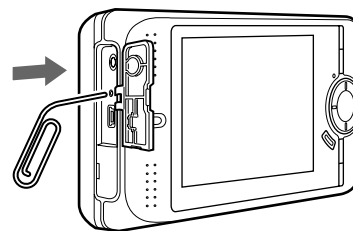
Note:
Avoid using the fragile objects such as pencil.

Installing the Epson Link2 Software

You can transfer data from the computer to your device easily using the software.

System requirements

The system requirements for a computer are shown in the following table.

For Windows

OS	Microsoft® Windows® , Me, 2000 Professional, XP Home Edition, XP Professional
Processor	Pentium III, 1 GHz or higher
Memory	256 MB or more
Hard disk	100 MB or more free space is required for installation
	2 GB or more free space is required for operation
Display	SVGA (800 x 600) or higher, 16 bit color or higher
Interface	USB port (type A connector)

For Macintosh

OS	Mac OS X 10.2 or later
Processor	PowerPC G4 700 MHz or higher
Memory	512 MB or more
Hard disk	150 MB or more free space is required for installation
	2 GB or more free space is required for operation
Display	800 x 600 or higher, 32000 colors or more
Interface	USB port (type A connector)

Installing the software

Insert the supplied software CD-ROM in the CD-ROM or DVD drive, then start the installer following the instructions below.

For Windows users

Note:
For Windows XP and Windows 2000, you need administrative privileges to install the software.

1. The installer starts automatically. If necessary, start it by double-clicking the EPSON CD-ROM icon.

2. If a message appears prompting you to disable your antivirus software, click Continue.

3. If you are prompted to select a language, select your preferred language.

4. On the Software Installation screen, click Install. Follow the on-screen instruction until all of the software is installed.

5. When a message appears indicating that installation is complete, click Exit or Restart Now.

   Note:
   When Restart Now *appears, click the button to restart your computer.*

For Macintosh users

1. Double-click the EPSON CD-ROM icon on your desk top, then Mac OS X icon in the EPSON folder.

2. If a message appears prompting you to disable your antivirus software, click Continue.

3. If you are prompted to select a language, select your preferred language.

4. On the Software Installation screen, click Install. Follow the on-screen instruction until all of the software is installed.

   If the Authenticate window appears, click the key icon, enter the administrator's name and password, then click OK.

5. When a message appears indicating that installation is complete, click Exit or Restart Now.

   Note:
   When Restart Now *appears, click the button to restart your computer.*

Chapter 2

Backing Up Memory Cards

Inserting CF/SD Memory Cards

Insert the memory card with the label side facing the display side of the device.
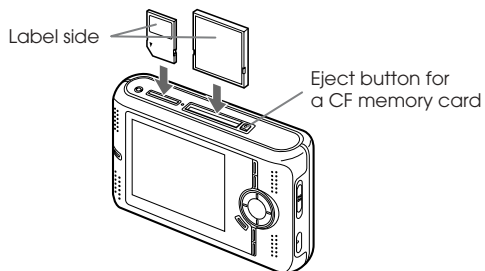
To remove the memory card, push the memory card down slightly (for an SD memory card), and push down the eject button until it pops up, then push it down again (for a CF memory card).

Supported memory card types

❏ CF (CompactFlash) memory card (Type1/Type2 and 3.3 V, including Micro Drive)

❏ SD memory card (up to 2 GB)

❏ MultiMedia Card (up to 1 GB)

Note:
A commercially available CF adapter will be required to use other memory cards (miniSD, RS-MMC, Memory Stick Duo, Memory Stick PRO Duo, xD-Picture Card, etc.). Contact our customer support for details.

Copying Data from CF/SD Memory Cards onto the Device

1. Select [↑] Memory Card in the Home screen using the 4-way ring, then press the OK key.

2. In the Memory Card screen, select CF Memory Card Backup or SD Memory Card Backup using the Up or Down key.


```
[↑] Memory Card
─────────────────────────────
CF Memory Card Backup
Browse CF Memory Card
─────────────────────────────
SD Memory Card Backup
Browse SD Memory Card
```
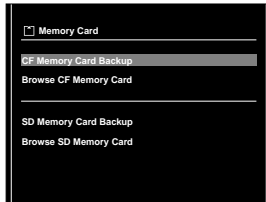
3. Press the OK key to start copying.

4. After the copy completes, press the OK key.

Note:
❏ *Before copying data, charge the battery fully. If the battery is low, connect the AC adapter.*

❏ *It may take more than 15 minutes to copy, depending on the memory card you use.*

Backing Up Data from the Device onto the Computer

Connecting the device to the computer

Before connecting to the computer, install the software from the software CD-ROM.

1. Connect the AC adapter.
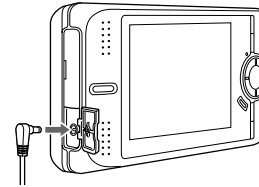
2. Turn on this device and the computer.

3. Open the USB connector's rubber cover and connect the USB cable to this device. Then connect the other end of the USB cable to the computer.
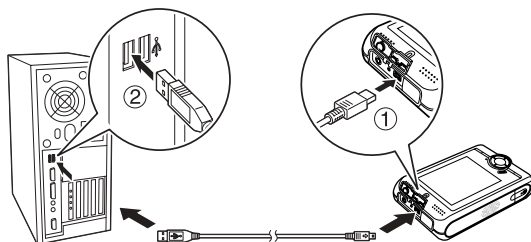
The LCD turns off.

4. Launch the Epson Link2 software (For details, see "Launching the EPSON Link2 Software").

Only data that has not yet been backed up will be copied to the computer with the auto backup function.

For Windows:
To disconnect the device from a computer, click Unplug or Eject Hardware on the computer screen, turn off the device, then remove the USB cable.

For Macintosh:
To disconnect the device from a computer, drag and drop the device icon to the trash can on the computer screen, turn off the device, then remove the USB cable.

Launching the Epson Link2 software

For Windows

Click Start, point to All Programs (or Programs), then select EPSON Camera. Select Epson Link2, then click Epson Link2.

For Macintosh

Double-click the Epson Link2 icon in the Epson Link2 program folder.

Chapter 3

Viewing Images

Copying Data to Photos or Videos

Copying from a computer

Using the Epson Link2 software makes it easy to copy photo and video data from a computer.

1. Connect to a computer, then open the Epson Link2 software.

2. Select Photos or Videos on the Epson Link2 software.

3. Select the data to transfer, then start transferring.

Note:
Use the AC adapter while connected the device to the computer.

Supported photo/video file formats

File	Format
Photo	JPEG, RAW
Video	AVI, DIV, DIVX, MOV, MP4, MPG, MPE, VOB, MOD, ASF

Note:
For details on the supported file formats, see the supplied User's Guide.

Viewing Photos and Videos

1. Select 📷 Photos or 🎥 Videos in the Home screen using the 4-way ring, then press the OK key.

2. Select a folder to view using the 4-way ring, then press the OK key. (If there is no folder, skip this step.)
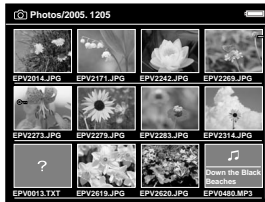
3. Select a file to view using the 4-way ring, then press the OK key.

Note:
When viewing photos, pressing the Right *key displays the next image and pressing the* Left *key displays the previous image.*

How to see the screen
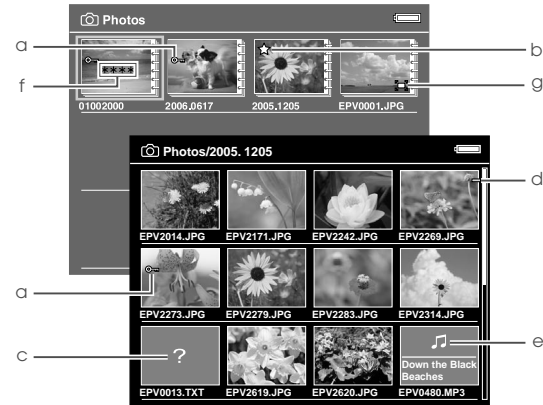
a	Indicates that the file or folder is locked.
b	Indicates that the folder is set as a folder shortcut.
c	Indicates unsupported data, such as a document.
d	Indicates that the file or folder is set with a tag.
e	Indicates the file is in music format.
f	Indicates that the folder is set as a private folder.
g	Indicates that the folder is set as the screen saver.

Note:
For details about the screen icon, see the supplied User's Guide.

Switching the screen

You can switch the following screen by pressing the Display key.

Thumbnails screen:
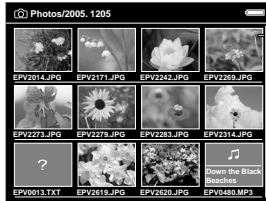
Mini-thumbnails screen:
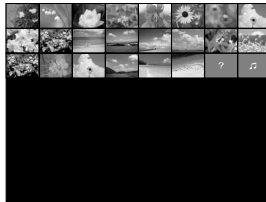
Details screen:
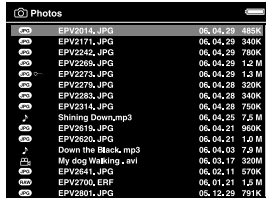
Functions when displaying a photo in full screen

Zooming a photo

Press the OK key to zoom in on a photo displayed in full screen. Continue pressing it to zoom in even further. You can move around the zoomed photo using the 4-way ring.

Rotating a photo

1. Press the Menu key to display the pop up menu, select Edit using the 4-way ring, then press the OK key.

2. Select Rotate using the Up or Down key, then press the OK key.

3. Select Rotate Right to rotate the image 90° clockwise or Rotate Left to rotate the image 90° counterclockwise using the Up or Down key, then press the OK key.

4. Select Cancel and press the OK key or press the Cancel key to complete.

Basic operations while playing videos

The following table describes how the keys work while playing videos.

Key	Function
OK	Play/Pause
Cancel*	Stops the video and returns to the previous screen.
Up/Down	Adjusts the volume.
Left/Right	Rewind/Fast-forward**

* When you press the Cancel key to stop playback, this device remembers the resume point for the next time you start playback. The next time you start playback, playback starts from 3 seconds before the resume point. If you want to play back the video from the beginning, press the Menu key during playback, select Play Settings, Play from Beginning, then press the OK key. (This function cannot be used for a video with total playback time of 1 minute or less.)

** Rewind and fast-forward speed become faster if you press the Left/Right key several times while rewinding/fast-forwarding. (Rewind/Fast-Forward does not work for some video files.)

Managing Files and Folders

Displaying information

When viewing a photo or video, press the Display key to display its information.

Photo

For a photo file, EXIF information with histograms is displayed (as below). You can switch to the over-under exposure preview by pressing the Display key again.
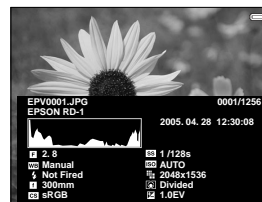
Video

For a video file, the progress information is displayed at first. You can switch to the file information (as below) by pressing the Display key again.
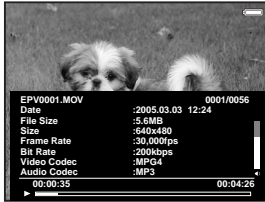
Deleting files and folders

1. Select a file or folder to delete.

2. Press the Menu key to display the pop up menu, select Delete using Up or Down key, then press the OK key.

3. Use the 4-way ring and the OK key to enter checkmarks in the check boxes of files or folders to delete.

4. After the following confirmation dialog box appears, select Yes using the Up or Down key, then press the OK key to complete.

```
📷 Select Files to Delete                    ▭

                        ⊘

          Are you sure you want to delete these files?
               Locked files will not be deleted.

                       Yes

                        No
```
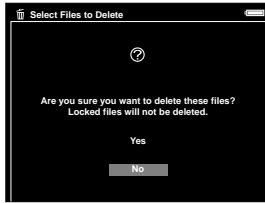
Protecting files and folders

You can lock the selected file or folder. When a file or folder is locked, the ⊶ icon is displayed and it cannot be deleted or rotated.

1. Select a folder or file to lock.

2. Press the Menu key to display the pop up menu, select Edit using the Up or Down key, then press the OK or Right key.

3. Select Lock/Unlock using the Up or Down key, then press the OK key.

```
📷 Photos / 20051205                         ▭

 ⎙ Copy/Move    │ Lock/Unlock
 ✎ Edit         │ Rotate Right
 ✐ File Tag     │ Rotate Left
 ↘ Sort         │
 🖶 Photo Print  │
 ⊡ Wallpaper and│
 ⊡ Set as Shortc│
 ⊞ Set as Screen│
 ▣⊪ Slide Show  │
 ✦ Settings     │
 🗑 Delete       │
```
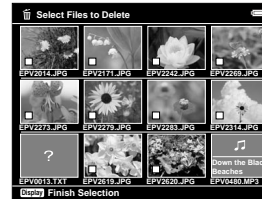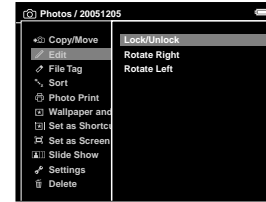
4. Use the 4-way ring and the OK key to enter checkmarks in the check boxes of files or folders to lock, then press the Display key to complete. (Files or folders which have already been locked are displayed with checkmarks. Pressing the OK key removes the checkmark and unlocks the file or folder.)

Note:
The lock on the file or folder remains in effect until you unlock it, even if you turn off the device.

Setting a folder thumbnail

You can set your favorite image as a thumbnail for the folder.

1. Select an image to set as a thumbnail for the folder.

2. Press the Menu key to display the pop up menu, select Wallpaper and Icon Settings using the Up or Down key, then press the OK or Right key.

3. Select Set as Folder Icon using the Up or Down key, then press the OK key.

Setting tags on files

You can quickly view tagged photo or video files from File Tag in the Home screen after setting a tag on the file.

After selecting a file in the thumbnails screen, press the Tag key. A tag is marked on the selected file.

Note:
The file you selected is set in Wallpaper for Music *in the default setting. You can change the* Tag *key assignment by pressing the* Menu *key, then selecting* Assign This Tag to TAG key *in* File Tag, *or by pressing the* Tag *key for a few seconds, selecting a tag name, pressing the* OK *or* Right *key, then selecting* Assign This Tag to TAG key.

You can also set a tag on a photo file from the pop up menu following the steps below.

1. Select a file to tag.

2. Press the Menu key to display the pop up menu, select File Tag using the Up or Down key, then press the OK or Right key.

3. Select the tag name in which to set a file using the Up or Down key, then press the OK key.

```
Photos / 20051205

Copy/Move        Wallpaper for Music
Edit             Favorite 1
File Tag          Favorite 2
Sort             Favorite 3
Photo Print      Favorite 4
Wallpaper and    Favorite 5
Set as Shortc    Favorite 6
Set as Screen    Favorite 7
Slide Show       Favorite 8
Settings         Favorite 9
Delete
```
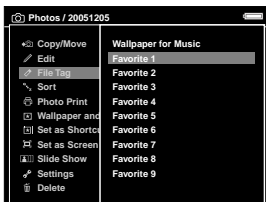
4. Use 4-way ring and the OK key to enter checkmarks in the check boxes of files to tag, then press the Display key to complete.

Note:
❏ *You can change a tag name (except* Wallpaper for Music*). When a tag folder in* File Tag *is selected, press the* Menu *key to display the pop up menu, then select* Edit File Tag. *Or, press the* Tag *key for a few seconds, select a tag name, press the* OK *or* Right *key, then select* Edit File Tag.

❏ *If you delete a file from Photos, Videos, or Backup Files, the corresponding tagged file will also be deleted from the tag folder.*

❏ *Selecting* File Tag *from the pop up menu in full screen displays the tag information. You can check the tag color corresponding to the tag name and set the tag on the file using the* 4-way ring *and the* OK *key. Pressing the* OK *key again deletes the selected tag. Press the* Right *or* Left *key to move to other files to tag. Select* Cancel *and press the* OK *key, or press the* Cancel *key to complete.*

English

Playing Music

Connecting the Remote control and Headphones
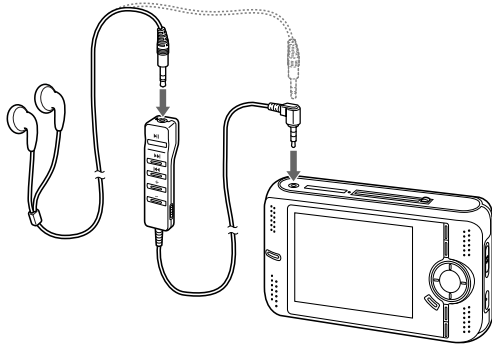
Note:
Putting the key operations on hold is a useful function when carrying the device in your bag while listening to music with the headphones.

Transferring Audio Data from the Computer

After connecting the device to the computer, transfer audio data from the computer to the device using the Epson Link2 software.

Note:
For details about the software, see the online Epson Link2 User's Guide.

Supported audio file formats

File Format	Audio Codec	Details
M4A*	AAC (MPEG4)	Maximum bit rate: 320 kbps (48 kHz, 16 bit Stereo)
MP3*	MP3 (MPEG1/ 2/2.5 - Layer 3)	Maximum bit rate: 320 kbps (48 kHz, 16 bit Stereo)

*   Without copyright protection.

Selecting the Category and Starting Playback

1. Select ♫ Music in the Home screen using the 4-way ring, then press the OK key.

2. Select a category to start playback using the Up or Down key, then press the Right key.
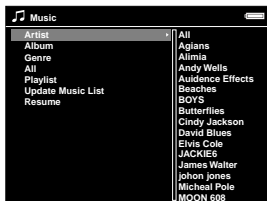
3. Select the desired track using the 4-way ring, then press the OK key to start playback.

Basic operations while playing music

Key	Operation
OK	Play/Pause
Cancel	Played from Photos/Videos/Backup Files: Stops playing and returns to the previous screen.
	Played from Music: Returns to the music browse screen without stopping music playback.
Up/Down	Adjusts the volume.
Right/Left	Skips back/forward.*
Display	Displays Codec, Bit Rate, and Sampling Rate.**

* Pressing and holding the Left/Right key rewinds/fast-forwards the music.

** The information contained in the ID3 tag (the name of file, track, artist, etc.) is displayed. The ID3 tag versions up to 2.4 are compatible, and up to 127 characters are displayable.

Note:
You can also control music playback using the supplied remote control (page 2).

Repeat and Shuffle Play

Press the Menu key to display the pop up menu in 🎵 Music, select Play Mode and set the following items using the 4-way ring and the OK key.

Select	To play
No Repeat	current category once
Repeat One Song	current track repeatedly
Repeat All	current category repeatedly
Shuffle	current category in random order
Normal Play Order	current category in normal order

Creating a Playlist on This Device

Not only can you create a Playlist on the Epson Link2 software, you can also create them on this device.

1. Press the Menu key to display the pop up menu in 🎵 Music.

2. Select ▶🎵 Add to Playlist using the Up or Down key, then press the OK or Right key.
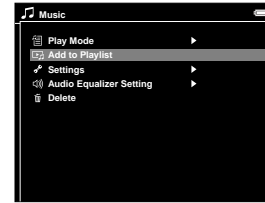
3. Select Create New Playlist using the Up or Down key, then press the OK key.

4. The on-screen keyboard appears. Select a letter using the 4-way ring, then press the OK key to input the selected letter.

5. After inputting the name, select Done using the 4-way ring, then press the OK key.

6. Select tracks to include in the Playlist using the 4-way ring and the OK key.

7. Press the Display key to complete.

Note:
If you want to select all the tracks to include in the Playlist, select All *in step 6.*
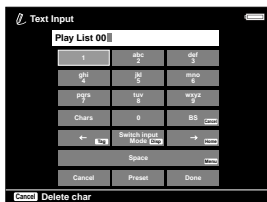
To add tracks to a created Playlist

Select the desired Playlist instead of Create New Playlist in step 3.

To delete a Playlist/remove tracks from a Playlist

To delete a Playlist, select the desired Playlist, press the Menu key, then select Delete this Playlist.

You can remove tracks from a Playlist in the same way as you delete them from this device. If you select the audio files from a Playlist, they will be removed from the Playlist but not deleted from this device.

To change track order of a created Playlist

1. Open the track list of the Playlist to change the order of.

2. Select the track of which to change the order to move.

3. Press the Menu key to display the pop up menu, then select Change Song Order.

4. Move the track using the Up or Down key, then press the OK key to complete.

Customizing Settings

You can customize various settings for displaying and copying images, or change the sound setting to make your device more useful.

⚒ Settings	🔲 🔳 ▭
🖥 View Mode	🔊 Sound
📇 File Operation	🕐 Date and Time
📊 Slide Show	🌐 Language
🔋 Power Save	🕐 Hard Drive Capacity
🎥 Movie Setting	Ver : 00. 01. 00

The following table shows details of each setting.

View Mode	LCD Brightness	Changes the brightness of the LCD. Adjust the brightness using the Up or Down key.
	Video Out*	Select NTSC or PAL according to the TV system of the external display or TV to be connected to the device.

File Operation	Auto-Rotation	Sets whether or not to rotate the images automatically according to the EXIF information.
	Unsupported Files	Sets whether the files in unsupported formats are displayed as thumbnails or not.
	Delete After Copying	Sets whether or not to delete the data on the memory card after memory card backup onto the device is complete. You can also select the Confirm Before Deleting option.
	Set Password	Sets the password for private files. The default password is "0000."

Slide Show	Effects**	Sets one of the five slide show effects. The slide show is executed with the selected effect.
	Duration**	Sets the duration to switch the images during a slide show. You can set the duration from 1 to 30 seconds.
	Slide Show Music**	Sets the slide show music which is played during the slide show. You can select None, one of three from the default playlist, or one from the user playlist.
	Clock**	Sets whether or not to display the clock during the slideshow.

Power Save	Backlight Timer	Sets the time at which the LCD's backlight will turn off and the LCD will go blank if there are no operations. You can select the time from 1, 3, 5, 10, 15 minutes.
	Sleep Timer	Sets the time at which the device will enter sleep mode if there are no operations. To deactivate sleep mode, press any key. You can select the time from 1, 3, 5, 10, 15 minutes.
	Power Off Timer	Sets the time at which the power will be shut down automatically if there are no operations, to save the battery. You can select the time from 1, 3, 5, 10, 15 minutes.
	Screen Saver	Sets the time at which the screen saver will appear if there are no operations, to save the battery. You can select the time from 1, 3, 5, 10, 15 minutes.

Movie Setting	DivX Registration Code	Displays the registration code.
	Play Settings	Sets the screen size of a movie.
Sound	Key Beep	Select ON or OFF to turn on or off the operation sound.
	Backup Completion Sound	Select None (no announcement), or one of the three preset sounds to announce the completion of data backup.
	Volume	Set the playback volume of audio and video.
Date and Time	Date and Time***	Set the date, time and date format.
Language	Language	Choose one of eight languages.
Hard Drive Capacity	Hard Drive Capacity	CF/SD memory cards and the HDD used space is displayed with used disk space of Backup, Photos, Videos, and Music.

*   After changing the setting, reconnect the VIDEO cable.

** These settings are also effective for Screen Saver.

***When you change the date format, the display of the date format in the Details screen, EXIF information, and the video playback screen, etc. also changes.