Multimedia Enclosure

ME1

User's Manual

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Before using

I. Checking the package contents

A. Accessory



B. Preparing the remote control



Pull out a piece of isolator, then remote control can be used.

C. How to replace battery of remote control

When the remote control runs out of battery, you may follow the instructions to replace the battery.



3. Put on the battery cover

Note:

- 1. The model of the battery is **CR2025**.
- 2. Please confirm the polarity before you insert the battery.

II. Name and function

A. Front Panel



- 1. LED cover
- 2. IR receiver (For remote control)
- 3. Power button
- 4. Stand

B. Back Panel



- 1. Fan
- 2. Ethernet jack

3. USB Host port To connect with USB storage device, or USB card reader

- **4. USB Device port** To connect with PC
- 5. (Component) YPbPr OUT jack
- 6. (Composite) AV OUT jack
- 7. (Composite) AV IN jack
- 8. DC IN Jack



PAUSE/TIME SHIFT

Pause playing, or time-shift the input video

- 16. **STOP/LIVE** Stop playing, or time-shifting
- **17.** $\overset{\text{SLOW}}{\blacktriangleright}_{A-B}$ **SLOW** (Slow play)
- **18**. **A-B** (A-B repeat)
- 19. **REPEAT**
- 20. UOL +, VOL -
- **21.** \bigcirc^{200M} **ZOOM** Zoon in the display
- **22.** $\bigcup_{\text{RESOLUTION}}^{\text{DISPLAY}}$ **DISPLAY** Show or hide the status display
- 23. \bigcirc RESOLUTION

Preparations

Installing the HDD into ME1



1.Remove remote control



3.Pull out front panel with HDD frame



5.Put HDD in the frame



2.Unscrew the HDD frame from the bottom (2 screws)



4.Connect the data cable and power cable to HDD



6.Screw HDD with the frame (4 screws)





the bottom side

7.Slide the HDD frame in



9. Screw HDD frame from the Bottom

Connection

Connecting ME1 with TV or monitor

A. Composite audio and video output connection

Plug the black mini plug of the supplied composite AV extension cable into the **AV OUT** jack on ME1. Use the supplied composite AV cable to connect the AV extension cable and AV input port on your TV or monitor. Be sure to match the color of the plug with color of the jack on TV or monitor. ME1 supports NTSC and PAL video signal from the **AV OUT** jack.



Figure Composite AV OUT connection

B. Component (YPbPr) video and audio output connection (To have better video quality)

Plug the black mini plug of the supplied Component video extension cable into the **YPbPr** jack on the ME1. Use a component (YPbPr) video cable (NOT supplied) to connect the component video extension cable and component (YPbPr) video input port on your TV or monitor. Be sure to match the color of the plug with color of the jack on TV or monitor. ME1 supports NTSC and PAL progressive scan, 720p, and 1080i component video output. Use the supplied composite AV cable to connect the AV extension cable and audio input jack of the component input port on your TV or monitor. Be sure to match the color of the plug with color of the jack on TV or monitor.

Note:

 Standard component video cable is NOT included. In order to have good video quality, to use a standard YPbPr component video cable is suggested.





Figure Component (YPbPr) connection

C. Connecting with other video source

ME1 can play, time-shift and record the input video from other device, such as VCR, Set top box, DVD player, and Camcorder. ME1 can support both NTSC and PAL input video signal from **AV IN** jack.

Plug the black mini plug of the supplied composite AV extension cable into the **AV IN** jack on ME1. Use the supplied composite AV cable to connect the AV extension cable and audio/video output port on other device. Be sure to match the color of the plug with color of the jack (yellow, white, and red) on the device.



Figure Composite AV IN connection

Plugging the AC power

Insert DC plug of the adaptor to **DC IN** jack on ME1. Connect one end of AC power cord to power adaptor and plug the AC plug to a power outlet.



Figure Power connection

Getting started

Turn on your TV or monitor and ME1. If your TV or monitor can not

display correctly, press **RESOLUTION** key to change the resolution.

Initializing the HDD

In the first time using ME1, you should initialize the HDD of ME1 after a new HDD is installed

Please follow the following procedure to initialize the HDD.



Select **OK** to confirm the process.

Step 1: To set the buffer size for time shifting function.

The buffer is used to temporarily store the input video for time shifting function. You can choose from 1 hr to 4 hrs. Press **≺**, **≻** key to adjust. Select **NEXT** to proceed to the next step.

Step1	:Timeshift Buffe	r Disc Capacity
Press '▲ Total Har	'&' ▼ ' key to adjus d Disc Free Space	t the capacity 155G bytes
1.0 HOUI	R < •	
1hr = 4G	b, Max. = 4hr	
	Back	Next

Step 2: Adjust the size for video recording.

Once you specify the size, rest of the HDD can be used for storing music, photo, and video files. Press **<**, **>** key to adjust. Select **NEXT** to proceed to the next step.

Press '▲ '&'▼ ' key Tota	y to adjust t I Hard <u>Disc F</u> i	the capacity ree Space:151G bytes
Recording Disc 50%	4 •	Multimedia Disc 50%
Min. = 10%		Min. = 10%

Step 3: Start the format process.

Once you confirm all the previous adjustment, select **Format** to start the process.

Warning:

1. Once ME1 start formatting, all the data in HDD will be destroyed.



Initial setup

Once the HDD is initialized, you can start the ME1 initial setup process. **Note:**

1. ME1 can operate without HDD installed.

Enter Setup menu from the top Menu.





Enter **Video** setup to change the setting to match your TV or monitor specification.

You can press \land , \lor , \lt , \triangleright key to select a setting, and press **ENTER** to

change setting.

Video PRecord	Network System MISC
Aspect Ratio	
- <mark>)∳(−</mark> Brightness	
Contrast	
Video Output	
Video System	
DIVX DIVX	

Figure: Video setup menu

Enter System setup to select the Menu Language, and set Time.

System	Video	Record	Network
Menu Language			glish
Time			
Hdd Format			
Restore Default			

Figure: System setup menu

Note:

- 1. Please refer to **Advanced Operation** chapter in the manual on **Setup** procedure.
- 2. The **Time** setting can only last for some time after the AC power cord is unplugged.

Basic operation

When you turn on the power of ME1, the top **MENU** will be shown. Whenever the **MENU** key is pressed, the top **MENU** will be shown on top of the previous screen.

Watching the input video

Make sure the **AV IN** connection is correct, then turn on the power of the connected video device, like VCR, Set top box, Camcorder, or DVD player. Select **Video In** icon on top **MENU** and press **ENTER** key to display the input video from **AV IN** jack.

With input video playing, you can record and Time-shift the video.



Figure Video In icon

One Touch Recording

When input video is playing, you can press **REC** key to record the on-screen video into HDD. You may tune the recording quality in **Record** setup menu. You may press **■ STOP** key to stop recording. You can press **REC** key again to select the recording time. **ME1** will stop the recording when recording time is up. Recording time will be changed sequentially, 30 min, 60 min, 90 min, 120min, 180 min, and 240 min, each time **REC** key is pressed. When 240 min is selected, press **REC** key again will cancel the recording time setting.

You can play, edit, and manipulate the recorded video in **Playback** mode.

Note:

- You can play video, browse photo, or play music when ME1 is in recording. HD video can not be played when ME1 is in recording.
- 2. Some functions can not be operated when ME1 is in recording.
- 3. When recording is stopped, a **red** \blacksquare will be displayed on the screen.
- 4. Please refer to the **Advanced Operation** chapter to change the recording quality.

Time Shifting

Time shifting is a powerful function for you to enjoy the long video. Once the time shifting is started, ME1 will buffer the input video in the background. You can use **PLAY CONTROL** keys to pause, fast forward, and fast backward play the video just like you are playing a recorded video.

When input video is played, in **Video In** mode, press **II (PAUSE/TIME SHIFT)** key to start the **Time Shifting** function. **"• Live Pause: Preparing ..."** message will be shown on the top of the screen. **Time shifting** buffer indication bar will be shown on the bottom of the screen.



Figure Time shifting buffer indication bar

When the "• Live Pause: Preparing ..." message disappear, you can use the PLAY CONTROL keys to operate time shifting function.

Key	Function
▶ PLAY	Play
II PAUSE/TIME SHIFT	Pause
₩FFWD	Fast forward play
∢ FRWD	Fast backward play
₩PREV	Jump to previous chapter mark
MNEXT	Jump to next chapter mark
■ STOP/LIVE	Cancel the Time Shifting function
Slow	Slow play

Note:

- 1. The buffer length of time shifting is selected in HDD initialization.
- 2. When **REC** key is pressed, **ME1** will start the recording and the time shifting function will stop automatically.
- 3. ME1 supports 1.5x, 2x, 4x, 8x, 16x, 32x fast play.
- 4. ME1 supports 3/4x, 1/2x, 1/4x, 1/8x, 1/16x slow play.
- 5. Auto Chapter function can be set in Record Setup menu.

Playback the recorded video

Select **Playback** icon to enter recorded video playback menu. All the recorded video titles are listed by the sorting method. A preview window is

shown with selected video playing. The free HDD space for recording and equivalent recording time are shown at the bottom of the preview window.



Figure Playback menu

You can play, delete, rename, edit the recorded title on **Playback** menu. Use \prec , \succ keys to select an operation. The operation will be highlighted on the top of the screen. Use \triangleleft , \checkmark keys to select a recorded video. Press **ENTER** key to apply the operation to the selected video.

Note:

 A red ● sign, on the recorded video list, indicates the video is in recording. A yellow ★ sign indicates the recorded video is not played yet.

Play : Play the recorded video

You can use **PLAY CONTROL** keys to play, pause, fast play, and slow play the video.

Key	Function
▶ PLAY	Start to play
II PAUSE	Pause
₩FFWD	Fast forward play

∢FRWD	Fast backward play
H PREV	Jump to previous chapter mark
MNEXT	Jump to next chapter mark
■ STOP/LIVE	Stop the playing, a green ■ indication displayed
Slow	Slow play

When playback started, the video selected will display in full screen. ME1 supports 1.5x, 2x, 4x, 8x, 16x, 32x fast play and 3/4x, 1/2x, 1/4x, 1/8x, 1/16x slow play.

Delete : Delete the video selected

A "Confirm to delete" message box will be shown. Select Confirm to confirm, and select Cancel to Cancel.

Note:

1. **Delete** operation will be rejected when ME1 is under recording.

Rename : Rename the video

A keypad will be shown on screen. Use \land , \checkmark , \checkmark , \checkmark to select the character and press **ENTER** key to input characters. Select **OK** icon on keypad and press **ENTER** key to complete the input.



Figure Screen keypad

Sorting : Change the sequence of video list

A "Automatically sorting by:" message box will be shown. Use \land , \checkmark keys to select and press ENTER key to change the sorting method. Video listing sequence can be sorted by Title Number, Recording Time, Title Name, or Fresh Titles.



Figure "Automatically sorting by:" message box

Title Edit : Edit the select video

A Title Edit toolbox will be shown. Press \land , \checkmark keys to select and press ENTER key to apply the editing tool.



Figure Title Edit toolbox

Set Thumbnail : Change the thumbnail picture of the video title

You can capture a video frame and use the picture as the thumbnail of the video title. The select video is shown and ready to play. Use **PLAY CONTROL** keys to select the video frame. Use \prec , \succ keys to select **CONFIRM** icon on the tool bar and press **ENTER** key to capture the video frame.



Figure Thumbnail Capture

AB Erase

Delete from point A to point B in the video. Point A and point B in the video should be set first. The select video is shown and ready to play. Use **PLAY CONTROL** keys to browse the video. Select the **SET A** icon on the toolbox and press **ENTER** key to set the point A, a green ▼ indication will be shown. Repeat the same procedure to set the point B. Select **CANCEL** icon to cancel the operation. Select the **CONFIRM** icon to delete, a **"Confirm to delete"** message box will be shown. Select **Confirm** to confirm **AB Erase** operation, and select **Cancel** to Cancel.



Figure AB Erase toolbox

2. Split Title

Select a point in the video and split the video into two video titles. Use **PLAY CONTROL** keys to browse video. Select **CONFIRM** icon and press **ENTER** key to split the video from the point displayed.

3. Merge Title

Merge the select video and the following video into a new video title.

4. Add Chapter Mark

You may add more **Chapter Mark** in the select video. Use **PLAY CONTROL** keys to browse video. Select **ADD** icon and press **ENTER** key to add the mark. A red ▶ mark will be added in the tool bar.



Figure Add chapter Mark tool bar

5. Remove Chapter Mark

You can delete **Chapter Mark** of the select video. Play the video, passing to a **Chapter Mark**, the mark will be shown in **bright red**. Select the **DELETE** icon in the tool bar and press **ENTER** key to delete the mark.

6. Copy to FAT32 partition

ME1 stores the recorded video clips in a special partition of the HDD

which can not be read directly by PC. If you select the **Copy to FAT32 partition** operation, ME1 will convert the video into MPEG format and make a copy to FAT32 partition of the HDD. Then you can read the file, using an USB Device connection with ME1, from PC.

Note:

- 1. The copy process may take some time depending on the length of the video.
- 2. The converted file will be stored in \rec folder of HDD. You can enter browser mode to play the file.

Tools

Select **Delete All Title** to delete all the recorded videos. A "Confirm to Delete" message box will be shown. Select **Confirm** to confirm the delete, and select **Cancel** to Cancel.

Browsing the multimedia files

ME1 can play music, high resolution photo, and HD quality of video files. The multimedia files can be copied from PC to HDD of ME1. (Please refer to **Exchange files with PC** section in **Advanced operation** chapter in the manual). ME1 supports various multimedia file formats.

Playback Formats : Audio: MP3, WMA Video: MPEG 1/2, DivX HD, DivX 3.11, 4.12, 5, 6; AVI, VOB, MPG , DAT, Xvid Picture: JPG , BMP Subtitle: SRT

TableSupported file formats

Note:

1. ME1 does not support progressive JPEG format.

Select **Browser** icon and press **ENTER** key to enter the browser mode. The media type bar is shown on the top. The selected media type is highlighted on the leftmost of the bar. File source selection box is shown on the left, and preview window is shown on the right of the screen. Press \prec , \succ key to select media type, and press \bigstar , \checkmark key to select the file source. Press ENTER to browse the multimedia files in the select file source.

There are three file source can be browsed, including HDD, USB port, and NET.

A. HDD

Select **HDD** icon and press **ENTER** key to browse the HDD in the **ME1**. Press \prec , \succ key to select media type, press \land , \checkmark key to select the folder, and press **ENTER** key to open the folder.



Figure Browser screen

Only selected file type is highlighted on the left of the media type bar. The folder name and its sub-folder are listed on the left window. The thumbnail picture of the files, with the selected file type, are listed on the bottom. Only the files, with selected file type, are listed. Press \prec , \succ key to select a file to preview. A preview window, shown on the right, shows the information of the selected file. Press ENTER key to play the selected file.

You can use **PLAY CONTROL** keys to pause, fast forward, and fast backward play the video, photo, and music.

Key	Function
▶ PLAY	Start to play
II PAUSE	Pause
₩FFWD	Fast forward play
€ FRWD	Fast backward play
H PREV	Jump to previous photo, or music file
MNEXT	Jump to next photo, or music file
■ STOP	Stop the playing, a green ■ indication displayed
SLOW	Slow playing video file

When previewing a file, only selected media type will be shown on the media type bar, you can not change the media type. You can press \bigstar , \checkmark key to select other folder, all media types will be shown, press \checkmark , \succ key to change media type. You may press \bigstar , \checkmark key to select other folder and press **ENTER** key to browse.

ME1 supports 1.5x, 2x, 4x, 8x, 16x, 32x fast play and 3/4x, 1/2x, 1/4x, 1/8x,

1/16x slow play

You can press **DELETE** key to delete the selected file.

B. USB port

You may store your multimedia files in USB flash drive, USB hard disk drive, or memory card. ME1 can browse the files from USB flash drive, USB hard disk drive, and USB card reader directly. You need to have a USB card reader (Not supplied) to read the files in memory card. Plug USB storage device or USB card reader to USB Host port on the back panel.



Figure USB Host connection

Note:

- 1. If your multimedia files are stored in memory card, you need to have a USB card reader which can read the type of memory card.
- Some USB hard disk drive may consume more current than ME1
 USB Host port can supply. In this case, ME1 may not detect the
 USB hard disk drive. Please check the instruction of your USB
 hard drive to use an external power source to supply enough current
 to the hard disk drive.

Select **USB** icon and press **ENTER** key to browse the device connected to **USB Host** port. Press \prec , \succ key to select media type, press \land , \checkmark key to select the folder, and press **ENTER** key to open the folder.

C. NET

Select **NET** icon and press **ENTER** key to browse the shared folder of other PC in the LAN. Press ≺, ≻ key to select media type. Press ∧, ★ key to select a PC in the LAN, and press **ENTER** key to connect. Then press ∧, ★ key to select the folder and press **ENTER** key to open the folder.

Note:

a. You have to set the connect network parameters on **Network** setup menu before you can browse from the **NET**.

Advanced operation

I. Play photo with background music

Enter **Browser** mode, select a music file in a folder to play. All the music files in the same folder will play sequentially. The music will keep playing in the background.

Change to **Photo** media type, select a photo file folder, and elect a photo file to start playing. ME1 will play all the photo files in the same folder. The music will keep playing in the background.

If you want to stop the music playing, press ■ (STOP) key to stop photo and press ■ (STOP) key again to stop the background music.

II. Repeat playing

ME1 supports two kind of repeat modes, REPEAT and A-B repeat.

Press **REPEAT** key to select the repeat type of the playing.

Media type	Press REPEAT key	Press A-B key
Music	Repeat 1, Repeat ALL, Repeat Off	(N.A.)
Video	Repeat Title, Repeat Off	(N.A.)
Recorded video	Repeat Title, Repeat Chapter,	Repeat from A to B
playback	Repeat Off	

For recorded video, you can use **A-B** key to repeat portion of video. Press **A-B** key to set the point A, which is the start point of the repeating. Press **A-B** key again to set point B, which is the end of the repeating. ME1 starts playing from point A to point B repeatedly, until **A-B** key is pressed again.

III. Change the output video resolution

ME1 supports several video output resolution, NTSC, PAL, NTSC progressive scan, PAL progressive scan, 720p, and 1080i. Press **RESOLUTION** key can change the resolution sequentially.

Note:

1. Only component (**YPbPr**) video output can support all the resolutions.

2. Composite (**AV OUT**) video output can only support NTSC, and PAL resolution. If you change to other resolutions, using Composite (**AV OUT**) video connection, you may not display the video on TV or monitor accordingly.

3. The selected resolution needs to be supported by your TV or Monitor, otherwise there will be no display.

4. If TV or monitor does not support a resolution, you can press **RESOLUTION** key to change to other resolution one by one until the display resume.

IV. Zoom in

You can **ZOOM** in the display when ME1 is playing photo, video, or recorded video. Press **ZOOM** key to zoom in the display, and **ZOOM** factor will change from 2x, 3x, 4x, 8x, and 1x sequentially.

V. Exchange files with PC

ME1 can serve as an external HDD of PC. When ME1 is powered on, use supplied USB cable to connect USB Host port of PC and **USB Device** port of **ME1**.

Windows of PC will detect HDD of ME1 automatically. You can use file explorer to manipulate the files in HDD of ME1.

Note:

- 1. The OS of PC needs to be compatible with Windows XP and above.
- 2. Use safely removal function in Windows to stop the HDD before removing the USB connection.
- **3.** DO NOT break the USB connection when HDD is writing or reading.

VI. Setup

Select Setup icon on the top MENU to enter Setup menu..

Press \prec , \succ key to select setup type. Press \land , \checkmark key to select an item and press **ENTER** key to setup.

When setting up an item, the choice of the item display on the right side of the menu. Press \land , \checkmark key to select a choice, and press **ENTER** key to confirm the change. Press **RETURN** key to cancel the setup.

A. Video setup



Figure Video setup menu

1. Aspect Ratio

Select an aspect ratio setting to match the connected TV or monitor.

a. Pan Scan 4:3

If your TV or monitor is 4:3 screen, you can select either **Pan Scan 4:3** or **Letter Box 4:3** setting.

With Pan Scan 4:3 setting, ME1 crops both side of wired screen video to fit the 4:3 screen.

b. Letter Box 4:3

ME1 places black bars at the top and bottom of the screen. Wide screen video will fit the width of the 4:3 display.

c. 16:9

Select 16:9, if your TV or monitor is 16:9 wide screen.

2. Brightness

Adjust the brightness of the output video. Press ≺, ≻ key to adjust and press **ENTER** key to confirm.



Figure Brightness adjusting

3. Contrast

Adjust the contrast of the output video. Press \prec , \succ key to adjust and press **ENTER** key to confirm.

4. Video System

Display the resolution in use. This item can not be changed.

5. DIVX

Display the DIVX registration code.

B. Record setup



Figure Record setup menu

1. Quality

Change the recording quality. There are 5 different type of recording quality to be chosen. Different quality affects the file size of the recorded video.

2. Auto Chapter

Change the period of chapter mark or turn off the auto chapter function. You can press **₩PREV** or **₩NEXT** key to jump to position of previous or next chapter mark.

C. Network setup



1. Wired LAN Setup

Select **DHCP IP(AUTO)**, or **FIX IP (MANUAL)** according to your LAN configuration. If your LAN supports **DHCP IP (AUTO)** function, you can select **DHCP IP(AUTO)** setting. **ME1** will get the IP address automatically.

Otherwise, you have to select **FIX IP (MANUAL)** and set the **IP Address**, **Subnet Mask**, and **Default Gateway** parameters manually.

2. Wired LAN ON/OFF

Set Wired LAN ON to enable the network operation.

D. System setup



Figure System setup menu

1. Menu Language

Change the menu language.

2. Time

Set the Date and Time.



Figure Time setting

3. HDD Format

Format the HDD in the ME1. Please refer to the **Getting Started** chapter in the manual and follow the **Initializine the HDD** procedures.

Warrning:

1. HDD Format operation will destroy all the data in the HDD.

4. Restore Default

ME1 will restore all the default settings.

Please follow the display to select menu language, set time, and set network parameters.

E. MISC setup

1. Network Browser

You may set **Net User ID**, **Net Password**, and **Specific File Server IP**. When you select the **NET** as file source in **Browser** mode, "/**My Shortcuts**/ will be listed. When you open /**My Shortcuts**/, the **Specific File Server IP** will be listed. This saves your time to key in the IP address. If you open the IP address, ME1 will send **Net User ID**, **Net Password** to the server for authentication.



Figure Network Browse setting

Q1: There is no display when using composite AV OUT connection.

Composite **AV OUT** only supports **NTSC/PAL** system. You might select **NTSC/PAL** progressive scan, 720p, or 1080i resolution. Please press **RESOLUTION** key to change the resolution setting to **NTSC/PAL** system.

Q2: When a video is played on screen, but can not be recorded.

Some DVD video disc, with copy protection, can not be recorded.

Q3: No sound in component video connection

Component video only deliver video signal. You still need to connect the red and white plug of composite AV extension cable to AV input on your TV or monitor.

Q4: No display when the resolution is changed

Please check whether your display support the resolution or not. If you use **AV OUT** connection, **ME1** only support **NTSC** and **PAL** system.

Q5: ME1 can not detect a USB device

ME1 may not detect an USB device which consume too much current. Please refer to the manual of your USB device to use external power to support the USB device.

O Please visit <u>www.emprex.com</u> for more products and support information.

Technical Specifications

Physical Dimension	Height: 136.6 mm x Depth: 207.5 mm x Width: 44.3mm
Weight	0.65 Kg (without Hard disk drive)
Playback Format	Audio: MP3, WMA
	Video: MPEG 1/2, DivX HD, DivX 3.11, 4.12, 5, 6; AVI, VOB,
	MPG , DAT, Xvid
	Picture: JPG , BMP
	Subtitle: SRT
Remote Controlt	IR remote controller
Audio Out	2 channels stereo output
Video Out	Component: Y, Pb, Pr (support NTSC, PAL, NTSC progressive,
	PAL Progressive, 720p, 1080i)
	Composite video out (NTSC / PAL)
Audio In	2 channels stereo input
	Composite video in (NTSC / PAL Auto converting)
Extensibility	USB 2.0 Device port
	USB 2.0 Host port
	Ethernet (10/100 Mbps) port
HDD supported	Size: 3.5 inch IDE type HDD (FAT32)
(Not included)	Capacity: max. 500GB supported
Power Adapter	Input:AC90V~250V
	Output: DC +12V 2A, DC +5V 4A
Language	English, French, German, Spanish, Italian, Nederland, Russian

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