

Media Center

MR-1

User's Manual

Copyright Statement

It is a criminal offence, under applicable copyright laws, to make unauthorized copies of copyright-protected material, including computer programs, films, broadcasts and sound recordings. This equipment should not be used for such purposes.

CAUTION

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FOR EUROPE



“The drive is in conformity with the EMC directive and low-voltage directive.”

WEEE LOGO



Disposal of Old Electrical & Electronic Equipment (Applicable in the European Union and other European countries with separate collection systems)

This symbol on the product or on its packaging indicates that this product shall not be treated as household waste. Instead it shall be handed over to the applicable collection point for the recycling of electrical and electronic equipment. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. The recycling of materials will help to conserve natural resources. For more detailed information about recycling of this product, please contact your local city office, your household waste disposal service or the shop where you purchased the product.



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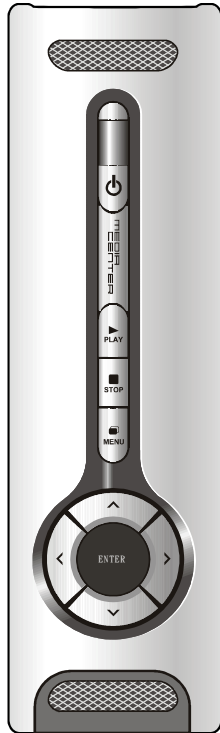
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Before Using

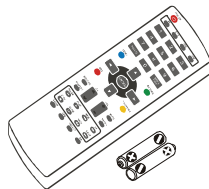
I. Checking the package contents

A. MR1 media center 1 pc

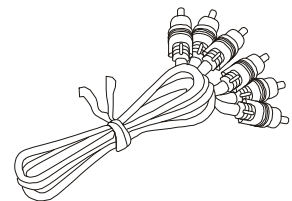


B. Accessory

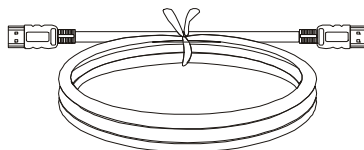
Remote Control 1pc
Battery (AAA)
2pcs



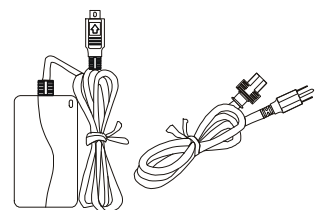
Composite AV
cable
1pc



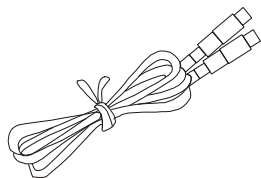
HDMI cable
(for MR1H
model)
1pc



Power adaptor
and power Cord
1set



RF Cable 1pc



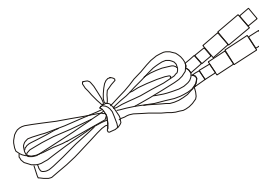
Stand



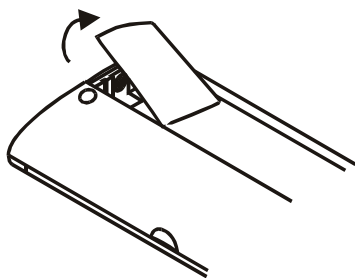
User's Manual
1pc



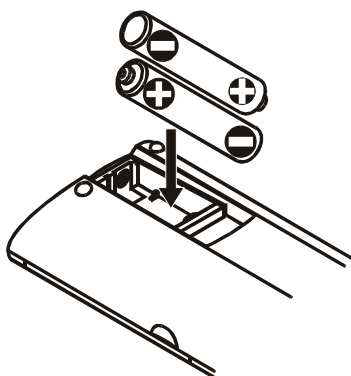
USB Cable 1pc



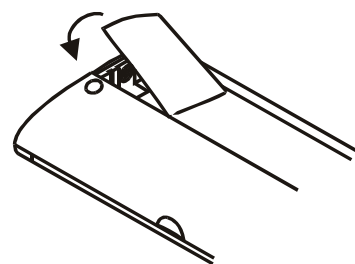
II. Preparing the remote control



1. Open the back cover of the remote control



2. Put in the supplied AAA battery (Make sure the polarity is correct)



3. Put on the cover

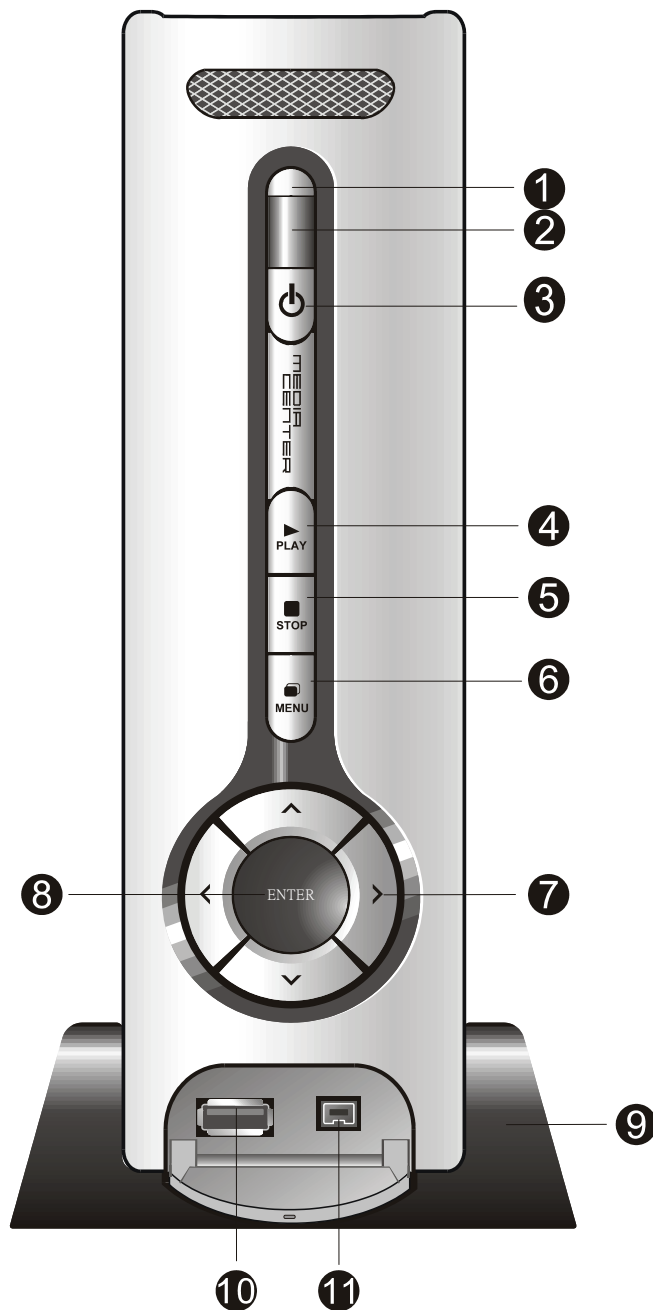
Note:

Incorrect use of batteries may result in hazards such as leakage and bursting.

- ✓ **Do not use the new battery and old battery together.**
- ✓ **Do not use different type of battery together.**
- ✓ **Please follow the environmental regulation to process unused battery.**

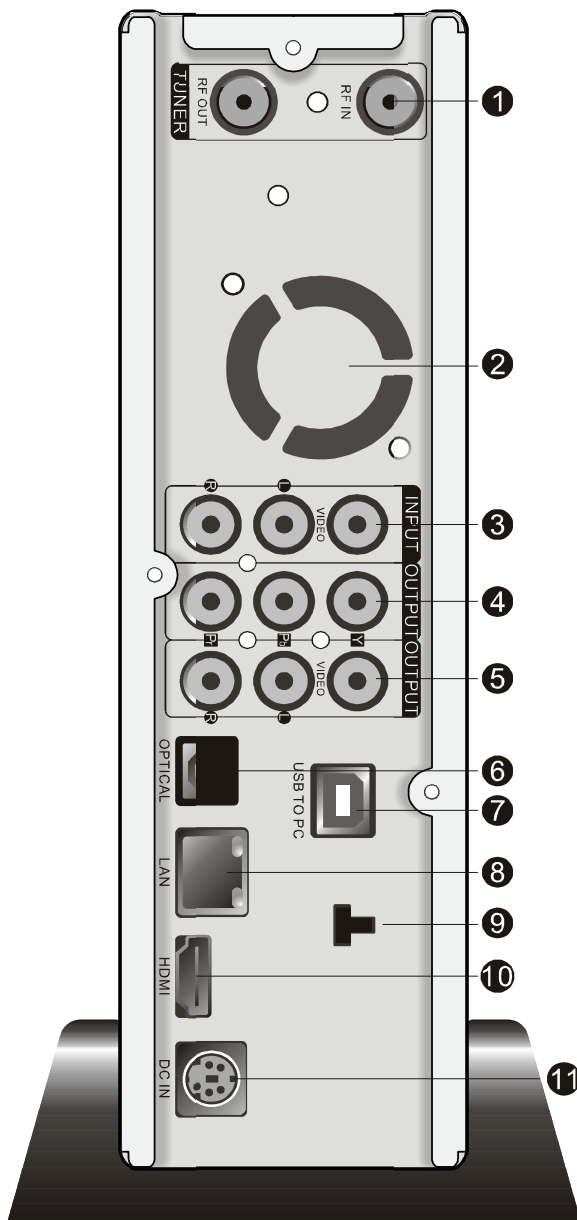
III. Name and function

A. Front panel



- 1. LED
- 2. IR receiver
- 3. Power button
- 4. PLAY button
- 5. STOP button
- 6. MENU button
- 7. < > ^ v direction buttons
- 8. ENTER button
- 9. Stand
- 10. USB jack : USB Host port
- 11. DV IN jack : P1394 port

B. Back panel



1. RF IN/OUT :

For CATV or TV Antenna

2. Fan

3. AV INPUT jack :

Composite Video and Audio input, for other video source

4. YPbPr OUTPUT jack :

Component video output to TV

5. AV OUTPUT jack :

Composite Video and Audio output to TV

6. OPTICAL jack :

Digital optical audio output

7. USB to PC jack :

USB Device port

8. LAN jack :

Ethernet port

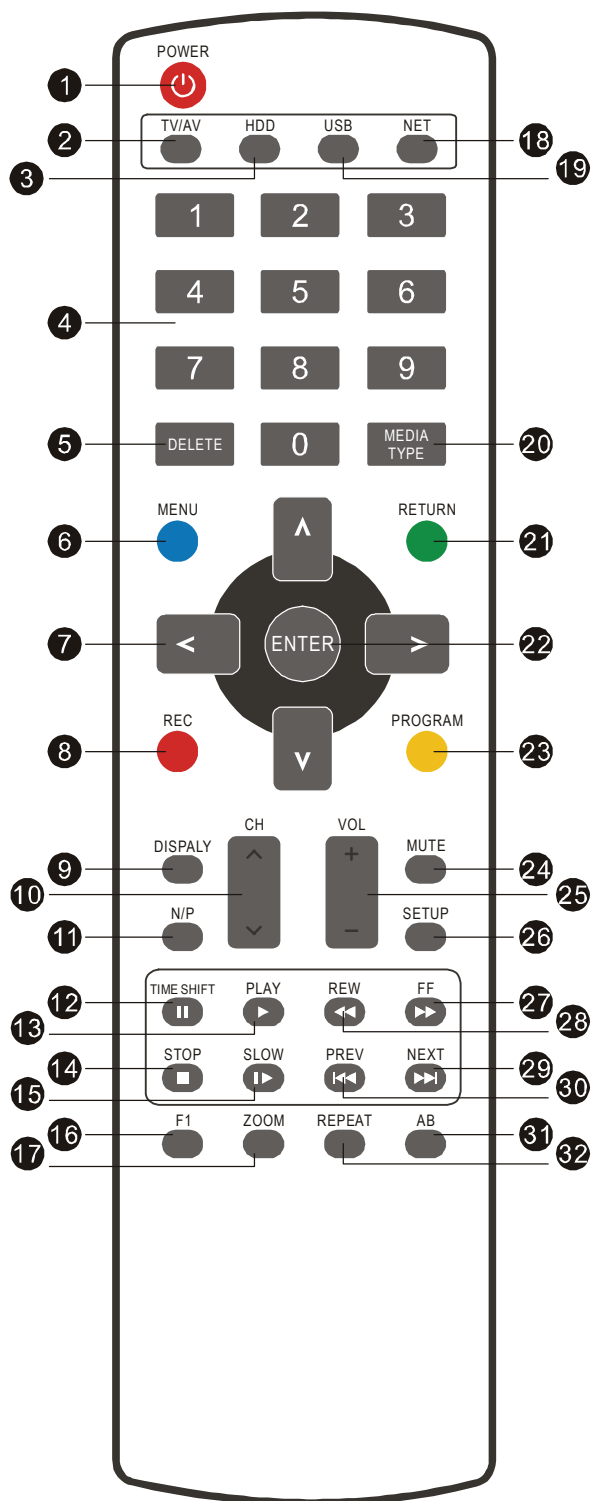
9. Maintenance use.

10. HDMI jack : (for MR1H model)

High-Definition Multimedia Interface port

11. DC IN jack

C. Remote control



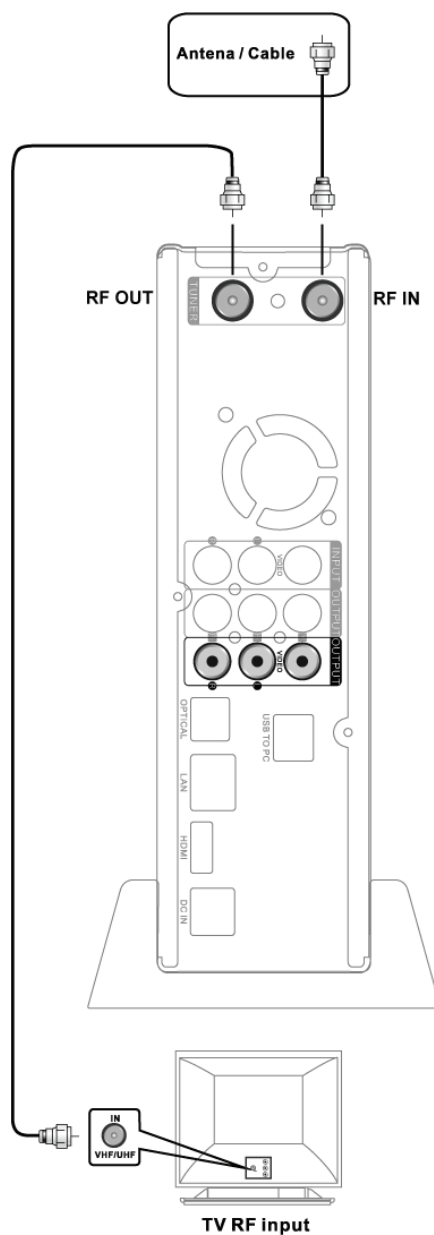
1. **POWER** : Power on/off
2. **TV/AV** :TV program / AV input
3. **HDD**:Browse HDD
4. **Number keys**
5. **DELETE** :Delete an item
6. **Menu**: Go to Main MENU
7. **Direction keys**
8. **REC** : One Touch Record
9. **DISPLAY** : display the status
10. **CH + / -** : TV channel Up/Down
11. **N/P**: **NTSC/PAL** switch
12. **TIME SHIFT** : Pause / Time shifting
13. **PLAY** : Play
14. **STOP** : Stop
15. **SLOW** : Slow play
16. **F1** : Function key 1
17. **ZOOM** : Change zoom factor
18. **NET** : Browse USB device
19. **USB** : Browse NET device
20. **MEDIA TYPE** : Select media type
21. **RETURN** : Return to last menu
22. **ENTER** : Enter
23. **PROGRAM** : Program for schedule recording
24. **MUTE** : Audio mute
25. **VOL + / -** : Volume Up/Down
26. **SETUP** : Enter SETUP menu
27. **FF** : Fast forward
28. **REW** : Fast rewind
29. **NEXT** : Next
30. **PREV** : Previous
31. **AB** : A-B repeat
32. **REPEAT**

Installation

I. Connecting the antenna / CATV cable

Remove the antenna / CATV cable plug from your TV and plug into the **RF IN** jack of MR1.

Plug one end of the supplied RF cable into **RF OUT** jack of MR1 and the other end into antenna / CATV jack on your TV.

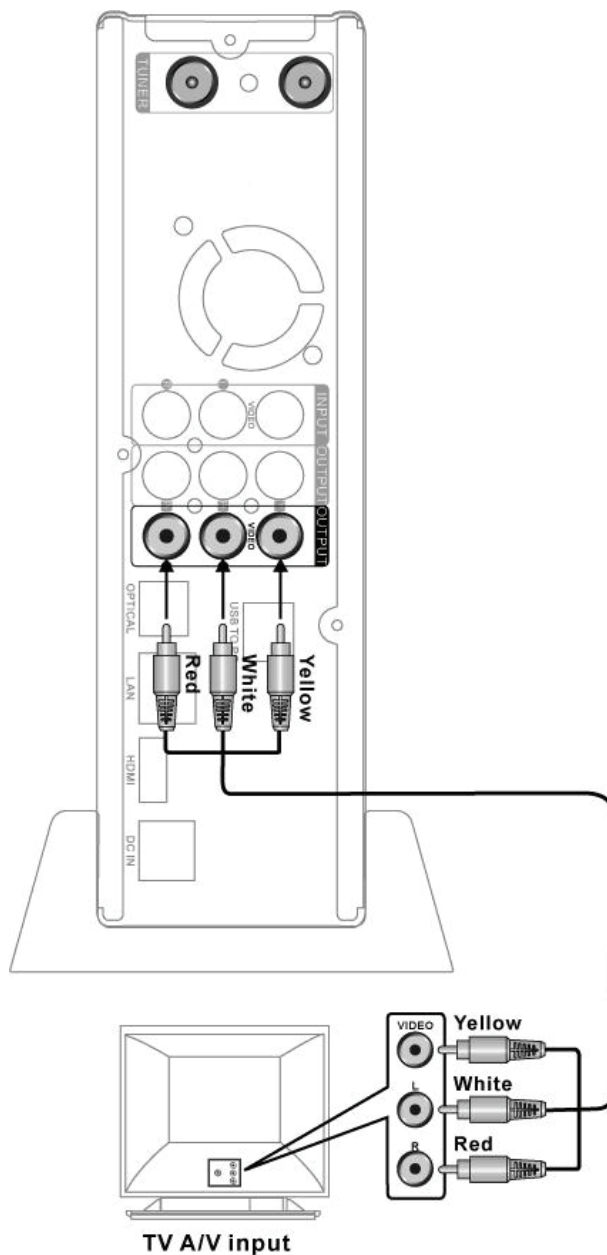


II. Connecting to TV or monitor

There are 3 ways to connect MR1 with your TV or monitor.

A. Composite video and audio output connection

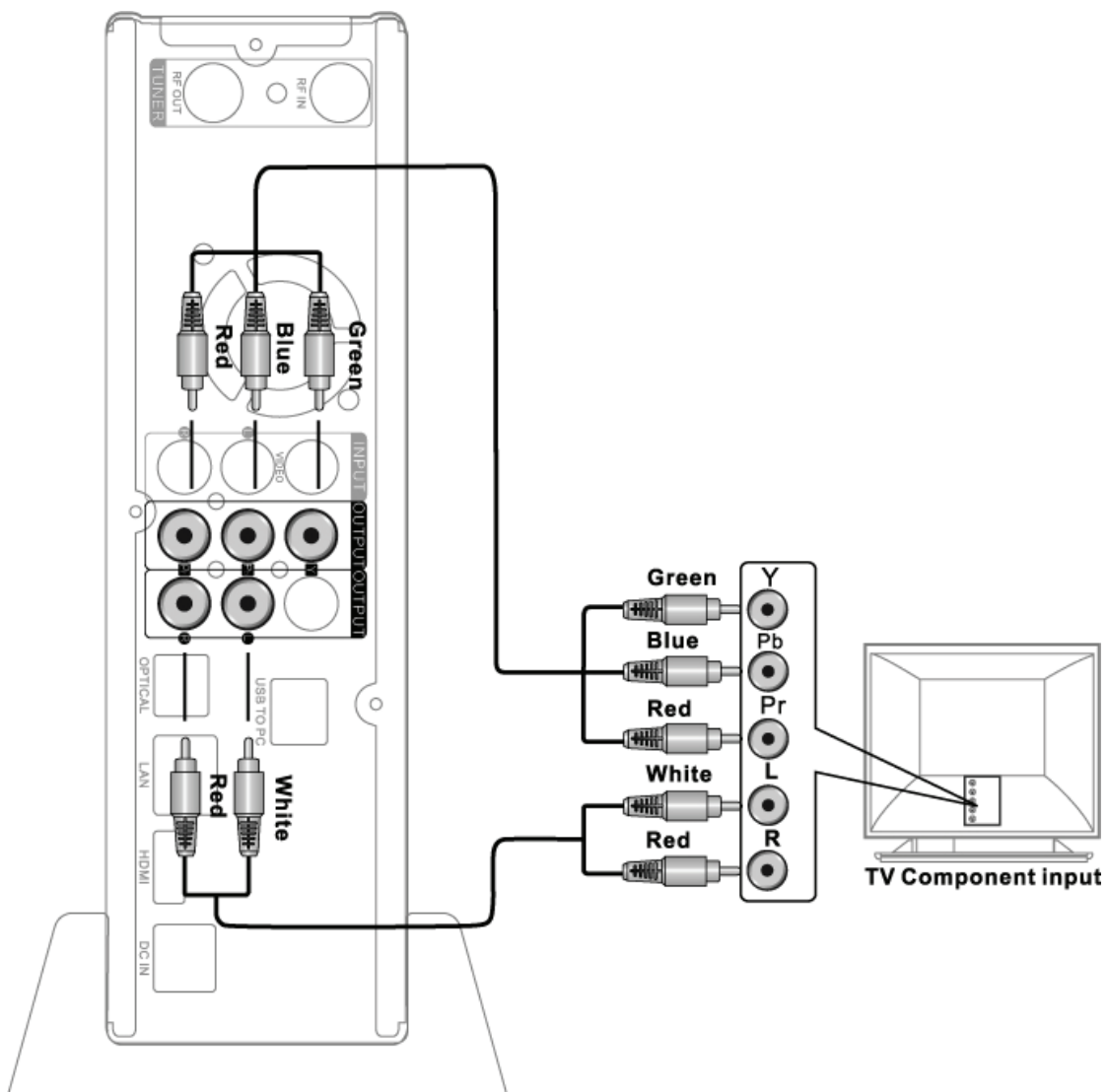
Use a composite AV cable to connect the **AV OUTPUT** jack of MR1 and AV input port on your TV or monitor. Be sure to match the color of the plug with color of the jack on TV or monitor. MR1 can only supports **NTSC** or **PAL** video signal from the **AV OUTPUT** jack.



B. Component (YPbPr) video and audio output connection

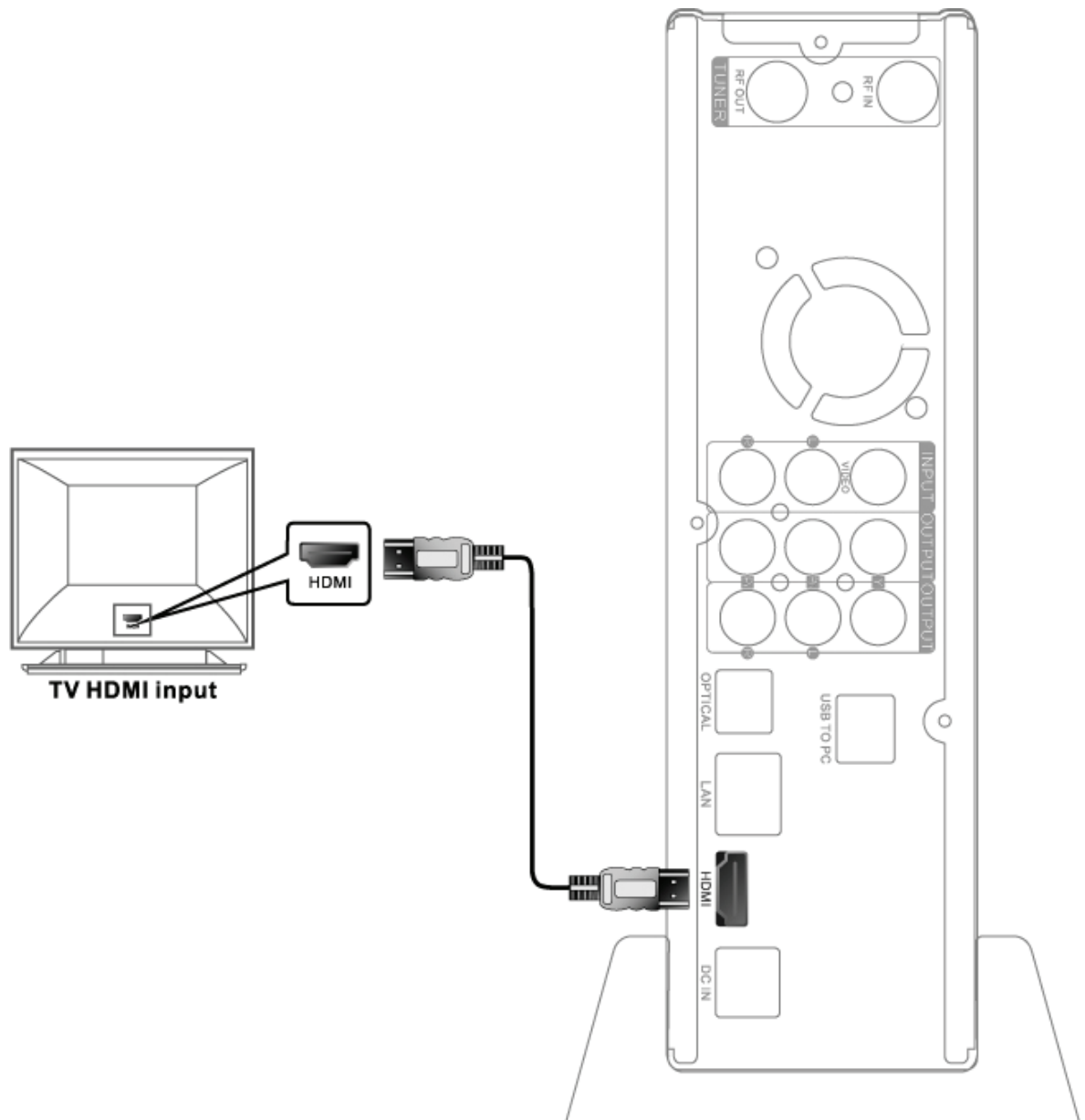
Use a YPbPr (component) video cable (NOT supplied) to connect the YPbPr (component) video output jacks of MR1 and component (YPbPr) video input port on your TV or monitor. Be sure to match the color of the plug with color of the jack on TV or monitor. MR1 supports 480p, 576p, 720p, and 1080i component video output.

Use a composite AV cable to connect the **Audio output** jack (RED and WHITE jacks) of MR1 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.



C. HDMI connection (For model with HDMI jack)

Use a **HDMI** cable to connect the **HDMI** jack of MR1 and HDMI port of your TV. MR1 can support NTSC or PAL, 480p, 576p, 720p, and 1080i resolution through HDMI connection.



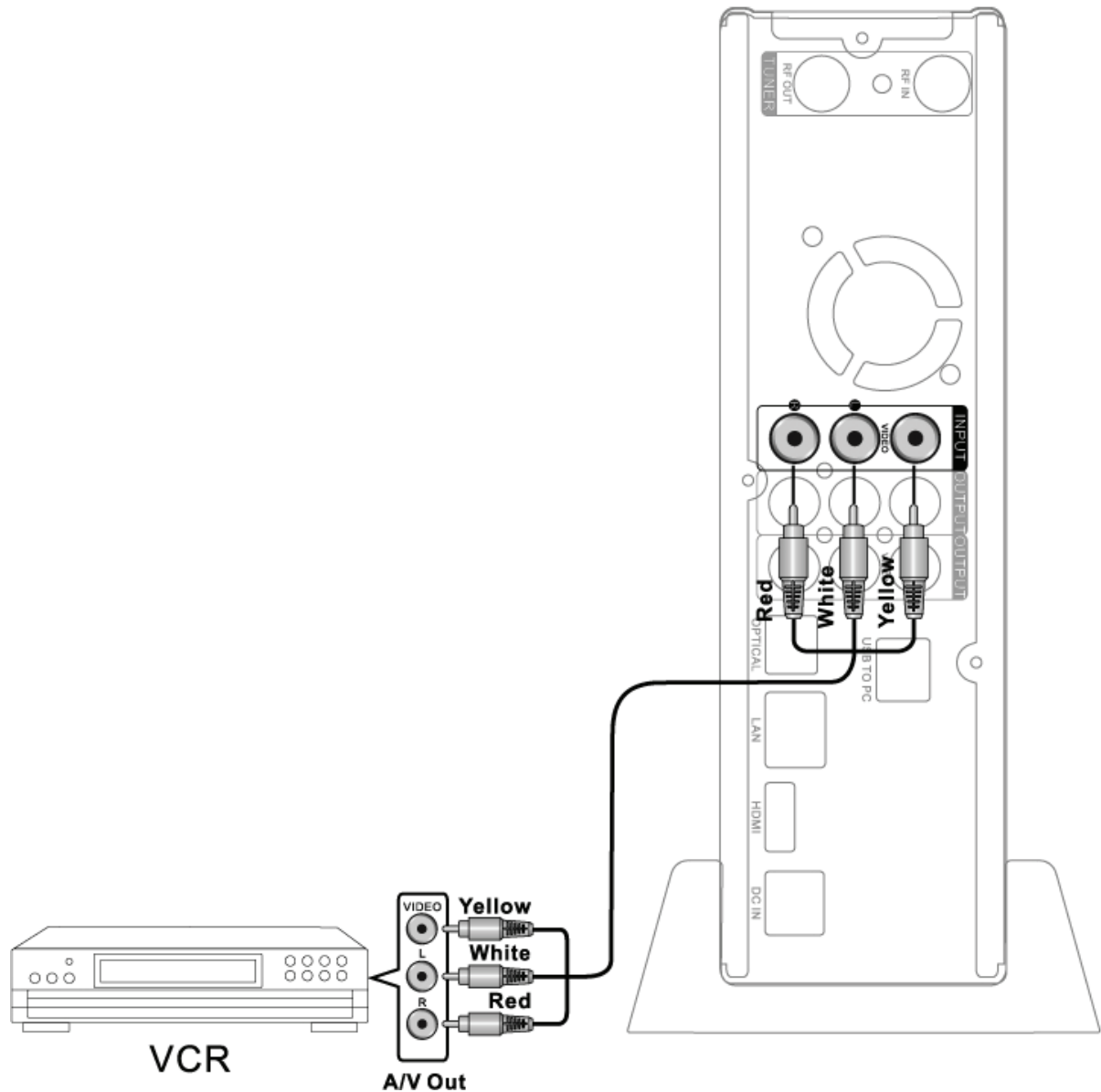
Note:

- ✓ Standard component video cable is NOT included. In order to have good video quality, to use a standard YPbPr component video cable is suggested.
- ✓ Only one of the three connections described above is required.

III. Connecting to other video source

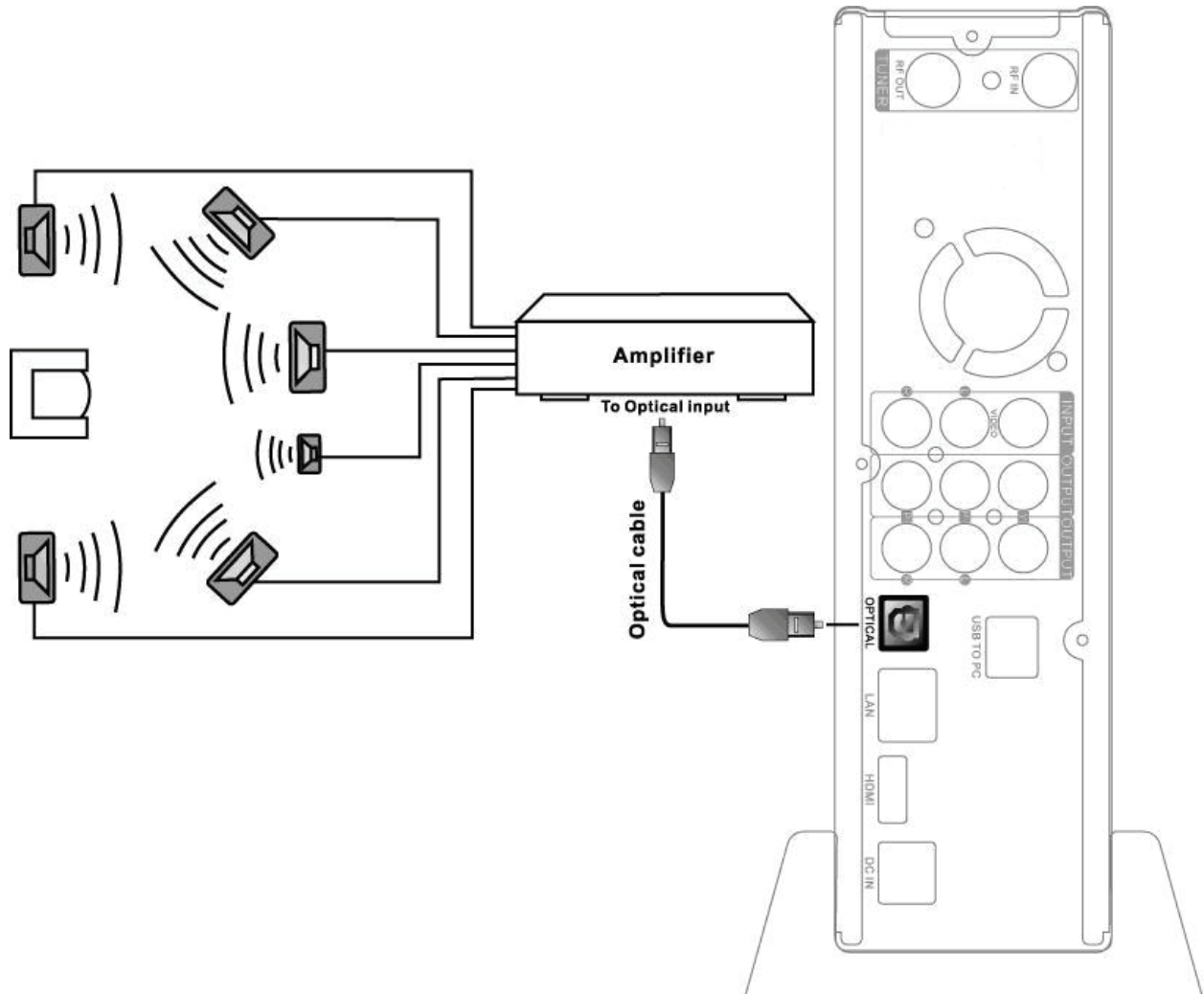
MR1 can play, time-shift, and record the input video from other video device, such as VCR, Set top box, and DVD player. MR1 can support both NTSC and PAL input video signal from **AV INPUT** jack.

Use a composite AV cable to connect the **AV INPUT** jack of MR1 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.



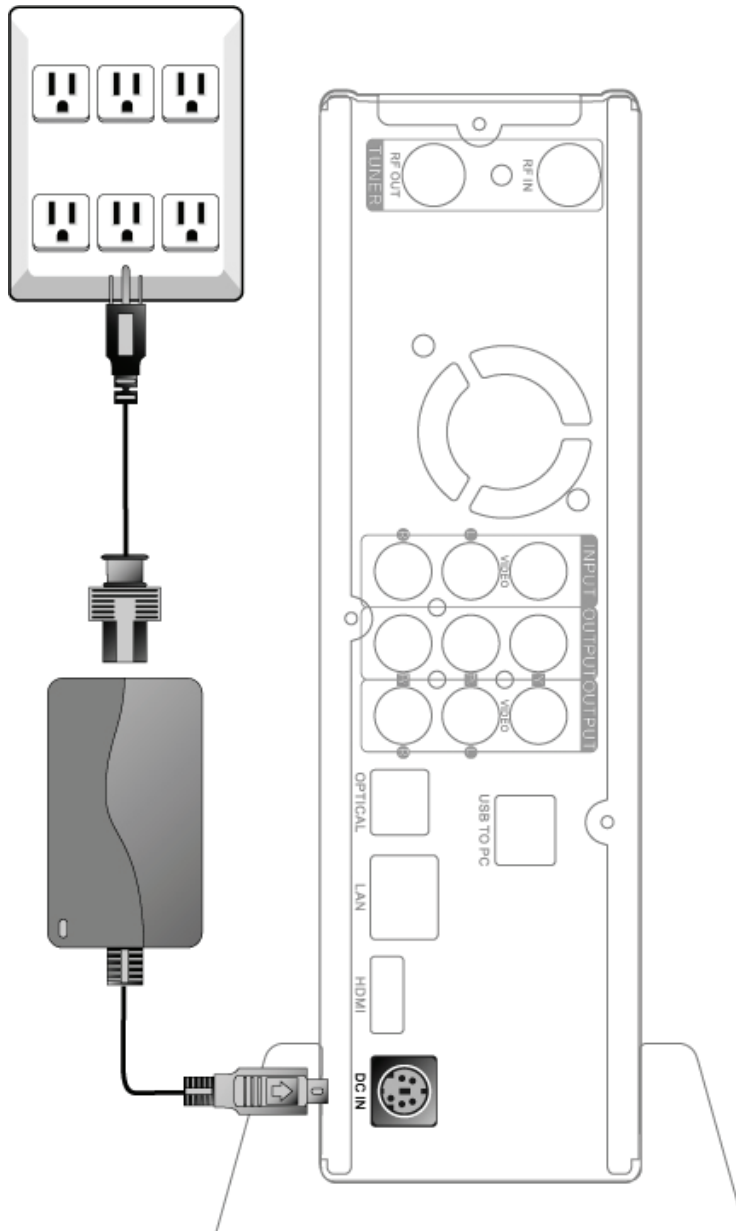
IV. Connecting to audio equipment

If you would like to have better sound quality, you can connect MR1 to your Audio receiver. Use a digital optical audio cable (Not supplied) to connect the **OPTICAL jack** of MR1 and digital optical input port of an audio receiver.



V. Plugging the AC power

Insert DC plug of the adaptor to **DC IN** jack on MR1. Connect one end of AC power cord to power adaptor and plug the AC plug to a power outlet.



Getting Started

Turn on your TV or monitor. Plug the AC power cord into a power outlet, MR1 will prompt to initialize.



Note:

- ✓ If you can not see a stable display on your TV or monitor, you can press N/P key to switch the PAL and NTSC video output signal.

Selecting Menu language

Use ▲, ▼ key to select a language and press **ENTER** to confirm. The available menu language may differ from the picture in the manual.

Selecting TV Input (For NTSC version)

Check with your TV program provider, select either **Antenna** or **CATV** as your TV input source.

Selecting TV Region (for PAL version)

Select the region of your TV broadcasting system.

Scanning channels

Make sure the antenna is connected, and select OK to start. MR1 will search for all TV channels automatically. It will store channels in the sequence they are found.

Setting Time

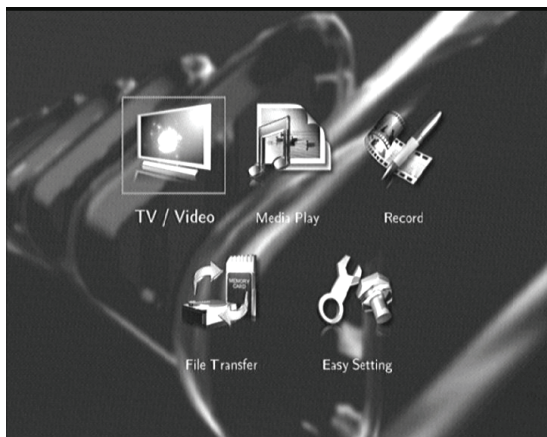
Press ▲, ▼ key to change the value, press ◀, ▶ key to move to other field, press **ENTER** to complete the setting. A confirmation dialog box will be shown on the screen, select **OK** to confirm the setting.

Setting Network parameters

Select **DHCP IP (AUTO)** or **STATIC IP (MANUAL)** according to your LAN configuration. If your LAN supports **DHCP IP (AUTO)** function, you can select **DHCP IP (AUTO)** setting. MR1 will get the IP address automatically. Otherwise, you have to select **STATIC IP (MANUAL)** and set the **IP Address**, **Subnet Mask**, and **Default Gateway** parameters manually.

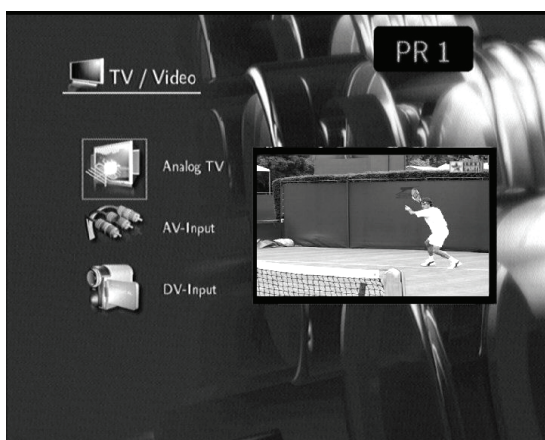
Basic Operation

Turn on the power of **MR1** and your TV or monitor. The main **MENU** will be shown on screen. Anytime you press **MENU**, **MR1** will return to main **MENU**. There are 5 icons on main **MENU**. Press **▲**, **▼**, **◀**, **▶** key to select an icon and press **ENTER** to enter the selected menu.



I. Watching TV, input video, and DV

Enter **TV/Video** menu, there are video sources listed. A viewing window is shown on the right of the screen.



A. Watching and Recording TV program

When **Analog TV** icon is selected, TV program will be shown on the viewing window. You can input the channel number directly or press **CH UP** or **CH DOWN** key to change channel. Press **ENTER** to show the TV program in full screen.

1. One Touch Recording

When watching TV program, you can press **REC** key to record the on-screen video into HDD. You may select a recording quality in **Record** menu. You may press **■ STOP** key to stop recording. You can press **REC** key again to set the recording time. **MR1** 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 **Media play/video Playback** submenu.

Note:

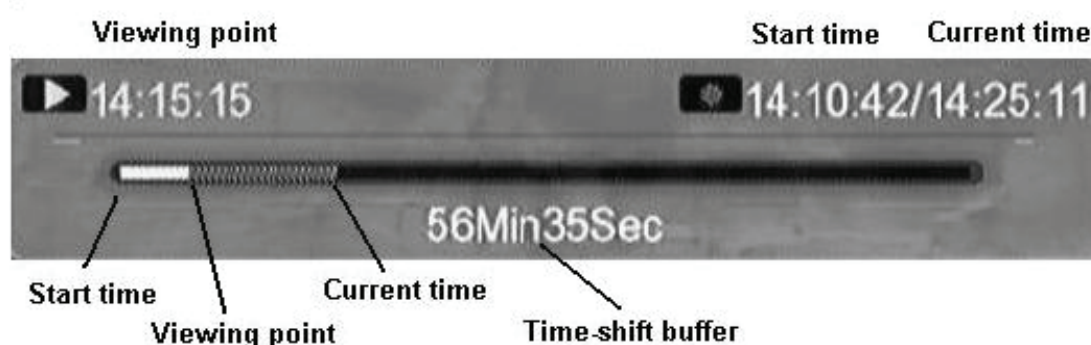
- ✓ You can play video, browse photo, or play music when MR1 is in recording. HD video can not be played when MR1 is in recording.
- ✓ Some functions can not be operated when MR1 is in recording.
- ✓ When recording is stopped, a **red ■** will be displayed on the screen.

2. Time Shifting

Time shifting is a powerful function for you to enjoy the long video. Once the time shifting is started, MR1 will buffer the TV program 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 watching TV program, press **II TIMESHIFT** 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.



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

Press ■ **STOP** key to stop Time Shifting function.

Key	Function
▶ PLAY	Play
⏸ TIMESHIFT	Pause
⏩ FF	Fast forward play
⏮ REW	Fast backward play
⏮ PREV	Jump to previous chapter mark
⏩ NEXT	Jump to next chapter mark
■ STOP	Cancel the Time Shifting function
Slow	Slow play

Note:

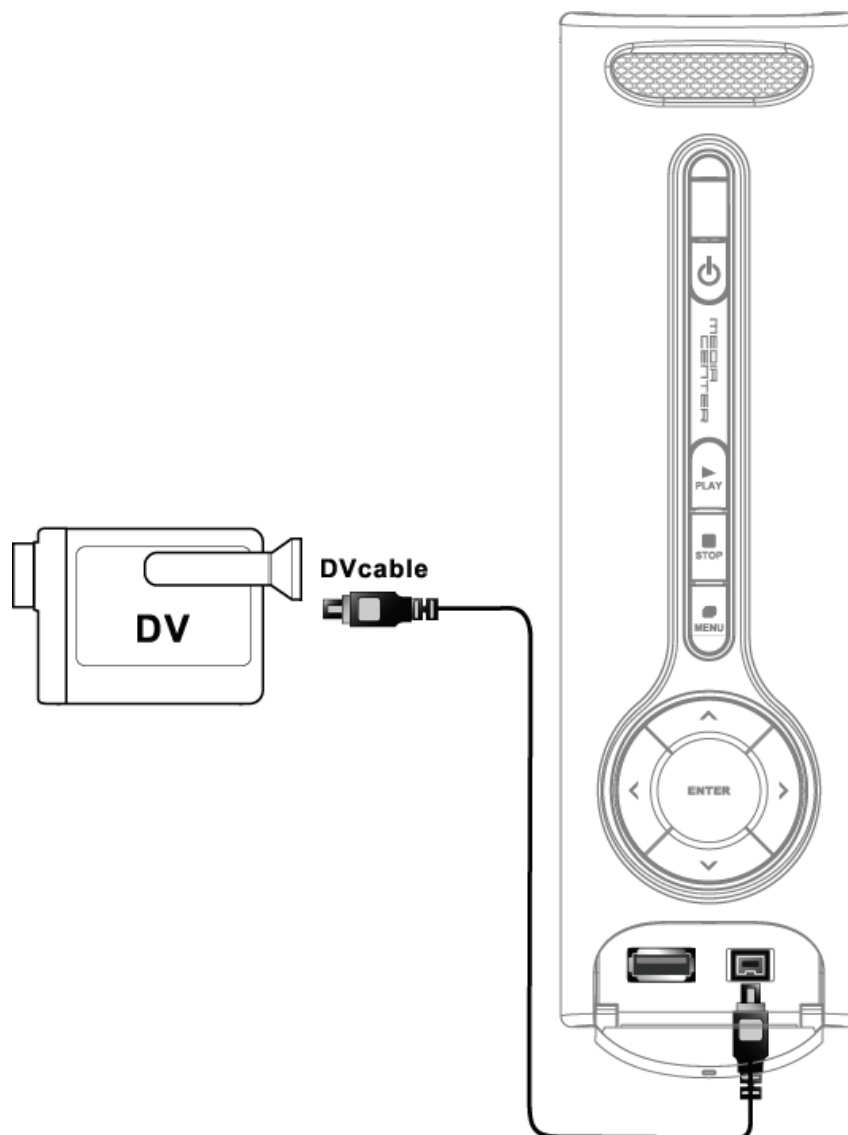
- ✓ When **REC** key is pressed, **MR1** will start the recording and the time shifting function will be stopped automatically.
- ✓ **MR1** supports 1.5x, 2x, 4x, 8x, 16x, and 32x fast play.
- ✓ **MR1** supports 3/4x, 1/2x, 1/4x, 1/8x, and 1/16x slow play.
- ✓ **Auto Chapter** function can be set in **Setup/Record** menu.

B. Watching and recording input video

When **AV-Input** is selected, video from **AV input** jack will be shown on the viewing window. Press **ENTER** to show the input video in full screen. You can press **TV/AV** key to select **TV** program or Input Video to be displayed. **MR1** supports both **One Touch Recording** and **Time-shifting** function for input video.

C. Watching and recording video from DV-input

Use **P1394** cable (Not supplied) to connect DV-In jack to **DV-Out** port of your DV device.



Select **DV-Input** icon and press **ENTER** key to enter DV mode. There is a DV control panel shown on the screen. You can press **◀, ▶** key to select a control button and press **ENTER** to operate the camcorder.



When watching video from DV device, you can press **REC** key to record DV program into HDD.

Note:

- ✓ If your DV device does not have a **DV Out (i.Link or IEEE1394)** jack, you may refer to "**Connecting to other video source**" section of the manual to connect your DV device. Then refer to "**Watching and recording input video**" section to recording your DV video.

II. Playing recorded video and multimedia file

Select **Media Play** icon on main **MENU** and press **ENTER** key to enter **Media Play** menu. On **Media Play** menu, you can playback recorded video, browse multimedia files from HDD, USB device, or Network device.

A. Playback recorded video

Select **Video Playback** icon to enter recorded video playback submenu. An operation bar is shown on the top of the screen. All the recorded video titles are listed on the left. A preview window is shown, on the right, with selected video playing. The free HDD space for recording and equivalent recording time are shown at the bottom of the preview window.



You can play, delete, rename, and edit the recorded video. Use **◀**, **▶** keys to select an operation. The selected operation will be highlighted on the leftmost of the operation bar. Use **▲**, **▼** 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 that the video is in recording. A yellow ★ sign indicates that the recorded video has not been played yet.

1. 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
Timeshift	Pause
▶▶ FF	Fast forward play
◀◀ REW	Fast backward play
◀◀ PREV	Jump to previous chapter mark
▶▶ NEXT	Jump to next chapter mark
■ STOP	Stop the playing, a green ■ indication displayed
Slow	Slow play

When playback started, the selected video will display in full screen.

MR1 supports 1.5x, 2x, 4x, 8x, 16x, 32x fast play and 3/4x, 1/2x, 1/4x, 1/8x, 1/16x slow play.

2. Delete : Delete the selected video

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

Note:

- ✓ **Delete** operation will be rejected when MR1 is under recording.

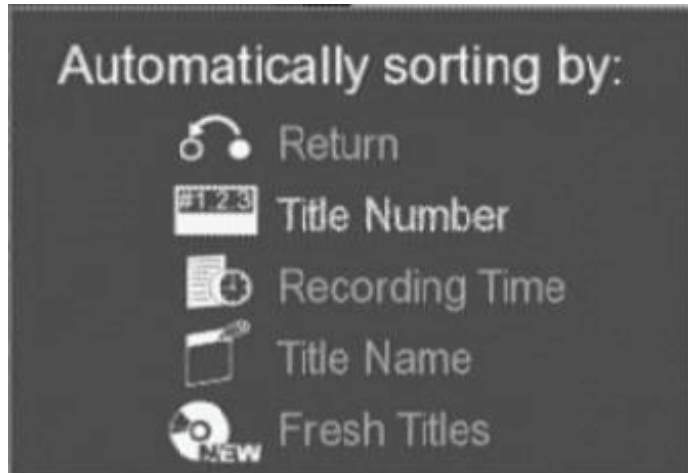
3. Rename : Rename the video

A keypad will be shown on screen. Use ▲, ▼, ◀, ▶ to select the character and press **ENTER** key to input characters. Select **OK** icon on keypad and press **ENTER** key to complete the input.



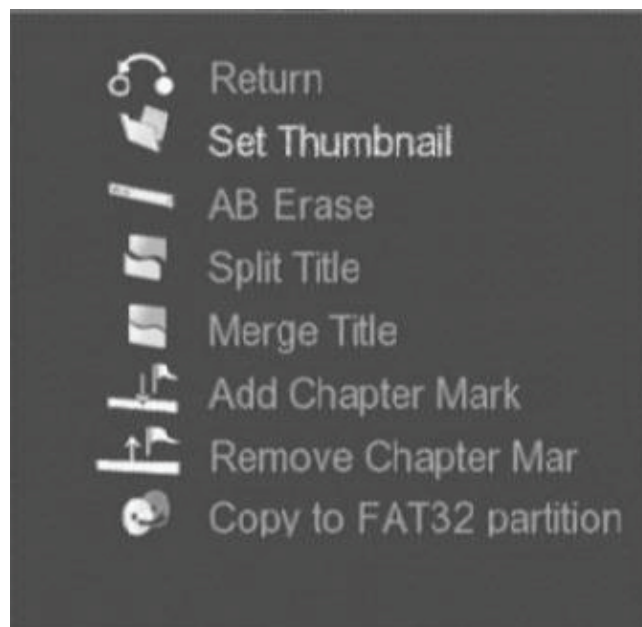
4. Sorting : Change the sequence of video list

An "**Automatically sorting by:**" dialog box will be shown. Use ▲, ▼ 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**.



5. Title Edit : Edit the selected video

A **Title Edit** toolbox will be shown. Press ▲, ▼ keys to select and press **ENTER** key to apply the editing tool.



a. 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 selected video is shown and ready to play. Use **PLAY CONTROL** keys to select the video frame. Use **◀, ▶** keys to select **CONFIRM** icon on the tool bar and press **ENTER** key to capture the video frame.



b. 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 selected 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.



c. 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.

d. Merge Title

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

e. 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.



f. 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.

g. Copy to FAT32 partition

MR1 stores the recorded video clips in a special partition of the HDD that can not be read directly by PC. If you select the **Copy to FAT32 partition** operation, MR1 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 MR1, from PC.

Note:

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

6. Tools

Select **Delete All Title** to delete all the recorded videos. A "Confirm to Delete" message box will be shown. Select **Confirm** to proceed to deletion, or select **Cancel** to abort.

B. Browsing file in HDD

MR1 can play music, high-resolution photo, and HD quality of video files. The multimedia files can be copied from PC to HDD of MR1. (Please refer to **Exchange files with PC** section in **Advanced operation** chapter in the manual). MR1 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, TP, TS
 Picture: JPG, BMP
 Subtitle: SRT

Table Supported file formats

Note:

- ✓ MR1 does not support progressive JPEG format.

Select **HDD Browser** icon and press **ENTER** key to enter the browser mode. The media type bar is shown on the top. The selected type is highlighted on the leftmost of the bar. File folder selection box is shown on the left, and preview window is shown on the right of the screen. Press **◀**, **▶** key to select media type, and press **▲**, **▼** key to select the file folder. Press **ENTER** to open the selected file folder.



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, is listed on the bottom. Only the files, with selected file type, are listed. Press ◀, ▶ 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
⏸ TIMESHIFT	Pause
⏭ FF	Fast forward play
⏮ REW	Fast backward play
⏮ PREV	Jump to previous photo, or music file
⏭ NEXT	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 ▲, ▼ key to select other folder, all media types will be shown, press ◀, ▶ key to change media type. You may press ▲, ▼ key to select other folder and press **ENTER** key to browse.

MR1 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 **MEDIA TYPE** key to change media type. You can press **HDD** hot key to browse files in HDD.

C. Browsing file from USB port

You may store your multimedia files in USB flash drive, USB hard disk drive, or memory card. MR1 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 of MR1.

Note:

- ✓ 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 **MR1 USB Host** port can supply. In this case, MR1 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 **◀, ▶** key to select media type, press **▲, ▼** key to select the folder, and press **ENTER** key to open the folder. You can press **USB** hot key to browse USB device.

D. Browsing file from NET

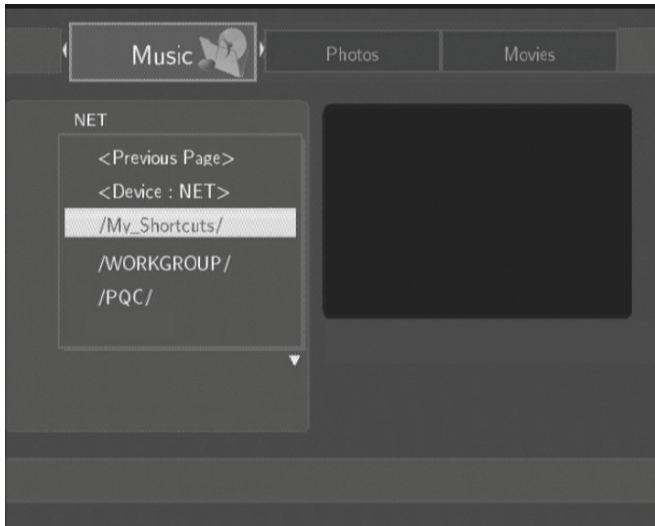
Select **NET** icon and press **ENTER** key to browse the Shared devices in the LAN. The device may be a PC or a media server. Press **◀, ▶** key to select media type. Press **▲, ▼** key to select a device in the LAN, and press **ENTER** key to connect. Then press **▲, ▼** key to select the folder and press **ENTER** key to open the folder. You can press **NET** hot key to browse NET device.

Note:

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

When the devices list is shown, there will be a **/My shortcuts/** item listed. **/My shortcuts/** can store IP address of the frequently used network device.

Select **/My shortcuts/** and press **ENTER** to list all the IP addresses defined in **/My shortcuts/**.



Press **<F1>** key, a dialog box will be shown. You can **Add**, **Rename**, and **Delete** an IP address.



Note:

- ✓ You need to check the IP address of the networked device, which you would like to browse.

Choose Add to add an IP address. A dialog box will be shown as follow.

A screenshot of a 'Network Browser' dialog box. It features a sun icon in the top left corner. The title 'Network Browser' is at the top. Below the title are three input fields: 'Net User ID' with a horizontal line, 'Net Password' with four asterisks, and 'Specific File Server IP' with four individual digit boxes, each containing a '0'.

Network Browser

Net User ID _____

Net Password

Specific File Server IP

0 0 0 0

After input all the data, press ENTER and confirm to save the shortcut.

III. Preparing for recording

When you are watching TV or Video, you can press REC key to record the video. (Please refer to Watching TV/Video section in the manual)

You can change the record quality, edit schedule for scheduled record, and record DV to HDD on Record menu.

A. Record Quality Set

There are 5 different recording quality can be chosen, **HQ**, **SP**, **LP**, **EP**, and **SLP**. The equivalent recording time for each type of quality is shown. Press **▲**, **▼** key to select and press **ENTER** to change. Press **RETURN** to exit the setting.



B. Schedule Record

Select **Schedule Record** icon and press **ENTER** to enter Schedule list mode. The operation bar is shown on the top of the screen. Press **◀**, **▶** key to select an operation, which will be highlighted on the leftmost of the bar. Press **ENTER** to apply the operation.



1. Edit a schedule

You can add or edit a schedule for recording. Select the **"Add a new schedule"** item or an exist schedule to add or edit the schedule. The schedule-editing screen will be shown. The editing box is shown on the bottom. The information of available HDD space is shown on the left. A recording source will be shown on a viewing window.

Press ◀, ▶ key to move to a field, press ▲, ▼ key to change value of the field. You have to select a TV channel or AV-IN as the source for recording. You can press ▲, ▼ key to change the channel number or key in the channel number directly. The program of the selected channel will be shown on the viewing window. You can move to the 1st channel and press ▲ key to select **AV-IN** as the video source for recording.



You can select different type of repeating.

Once	Record Once
Everyday	Record everyday
Mon-Fri	Monday through Friday
Mon-Sat	Monday through Saturday
Sun	Every Sunday
Mon	Every Monday
Tue	Every Tuesday
Wed	Every Wednesday
Thu	Every Thursday
Fri	Every Friday
Sat	Every Saturday

Press ENTER to complete the editing. A confirm dialog box will be popped up.

2. Delete schedule

You can delete the selected schedule or delete all the schedules.

3. Status : Change the schedule status

There are 3 choices.

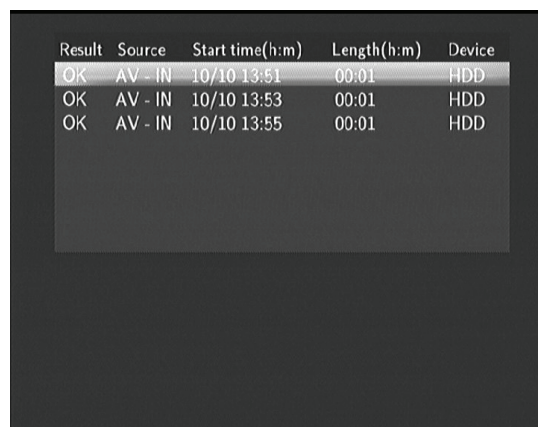
- a. Enable the timer by VPS
- b. Enable the timer by user's setting
Enable the selected schedule.
- c. Pause the selected schedule
Pause the selected schedule

Press RETURN to return to the schedule list menu.

4. History: log of recording history

MR1 will log the result of all the schedule recording activity. You can select an entry and press **ENTER** to delete the entry.

Press **RETURN** to return to schedule list menu.



Result	Source	Start time(h:m)	Length(h:m)	Device
OK	AV - IN	10/10 13:51	00:01	HDD
OK	AV - IN	10/10 13:53	00:01	HDD
OK	AV - IN	10/10 13:55	00:01	HDD

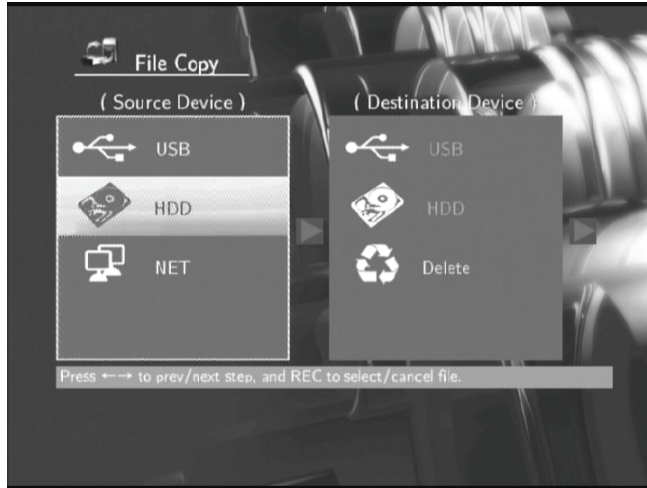
C. DV to HDD

Select **DV to HDD** icon and press **ENTER** to enter. A DV control panel is shown on the bottom of the screen. Use **◀**, **▶** key to select a control button and press **ENTER** to operate the camcorder. When DV is playing, the video will be recorded into HDD automatically.



IV. Copying file

You can copy files from a USB storage device or a NET device to HDD of MR1 or copy files in HDD to a USB device. You can also delete a folder or file in USB device and HDD.



Please follow the steps described.

1. Select a source device, either **USB** device, **HDD**, or **NET** device in **MR1**, which will be displayed on a yellow bar.
Press ► to move to destination device selection box.
2. Select a destination device. The device can be **USB**, **HDD**, or **Delete**. If you select **Delete**, you will delete the selected file and folder.
Press ► to move to next page.
3. Use **ENTER** key to open a folder. Use **REC** key to select all the files and folders to be copied. Press **REC** key again to cancel the selection. If there is a file or folder with same name in the destination device, an "**Overwrite ?**" dialog box will be popped up. Select **confirm** to overwrite. Up to 8 items can be selected at a time.
Press ► to move to destination device box. If you select **Delete** in step2, then a "Confirm to delete ?" dialog will be popped up.
4. Select the folder to be copied to. Use **ENTER** key to open a folder. Select **<Create New Folder>**, you can create a child folder in the folder.
Press ► to move to confirmation dialog box.
5. Select **Confirm** to proceed, or select **Cancel** to abort.

When copy is started, a "**Proceeding**" indication is shown on the top of the screen.

V. Easy Setting

Select **Easy Setting** and enter **Easy Setting** menu.

Press **▲**, **▼** key to select a setting, and press **ENTER** to apply the setting.

A. Resolution Set



You can change the resolution for playing video, and photo. The available selections will be shown. Move the cursor and press **ENTER** to select. There will be a confirmation dialog box popped up. If the resolution is displayed correctly, select **CONFIRM** to save the resolution setting. Otherwise, select **CANCEL** and MR1 will restore the previous setting.

Note:

- ✓ 720P and 1080I resolutions can only be supported by **HDMI** and **Component video** connections. Composite AV connection can only support either NTSC or PAL resolution.
- ✓ **MR1** use NTSC or PAL resolution to display the menu screen. The selected resolution is applied when MR1 is playing video or photo.

B. Channel Scan

MR1 will scan all the available TV channels. Every channel will be displayed on the viewing window. After scan completed, select **OK** and press **ENTER** to return to previous screen.

C. Date Setting

You can set the Date and Time in **MR1**. Press **◀**, **▶** key to move to a field, press **▲**, **▼** key to change value of the field. Press **ENTER** in the last field.

A confirmation dialog will be popped up.



D. Network setup

Select **DHCP IP (AUTO)** or **STATIC IP (MANUAL)** according to your LAN configuration. If your LAN supports **DHCP IP (AUTO)** function, you can select **DHCP IP (AUTO)** setting. **MR1** will get the IP address automatically. Otherwise, you have to select **STATIC IP (MANUAL)** and set the **IP Address**, **Subnet Mask**, and **Default Gateway** parameters manually.

E. Advanced Setup Menu

Select **Advanced Setup Menu** and press **ENTER** to enter **Setup Menu**. You can press **SETUP** key, anytime, to enter the **Setup Menu**.

Please refer to Advanced operation chapter of the manual.

F. Restore Default

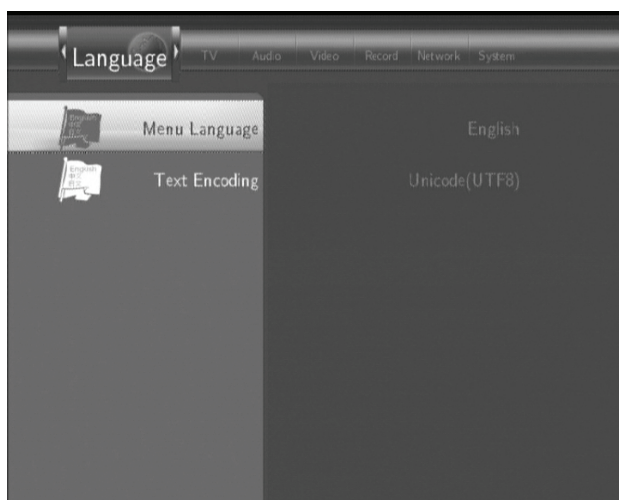
MR1 will restore all the default settings.

Please follow the display to select menu language, TV Input or TV Region, Channel Scan, set time, and network parameters.

Advanced operation

I. Advanced Setup Menu

When you are watching TV or input video, browsing Photo or video, you can press **SETUP** key to enter **Advanced Setup Menu**. The TV program and input video will keep playing on the background. The photo and video browsing will be paused. After setting, you can press **SETUP** key again to exit the setup menu. MR1 will resume the playing of TV or input video, and browsing of photo or video.



You can select **Advanced Setup Menu** on **Easy Setting** menu and press **ENTER** to enter this **setup** menu. There will be a setup type bar displayed on the top of the screen. Press **<**, **>** key to select setup type. Press **▲**, **▼** key to select a setup item and press **ENTER** key to setup. Press **RETURN** key to complete the setup item.

A. Language setting

1. Menu Language

Change the menu language.

2. Text Encoding

Select a text encoding code. Some movie file has a separated subtitle file. MR1 will use the selected code to display the subtitle. Subtitle file, with .SRT extension, need to have the same file name as the movie file. Those files should be placed in the same folder.

B. TV setting

1. TV Input (for NTSC version)

Your TV set may use Antenna or CATV as its RF signal source.
Please select the one as your TV set used.

TV Region (for PAL version)

Select the region or type of your TV broadcasting system. Types of supported PAL system are listed in the end of the selection.

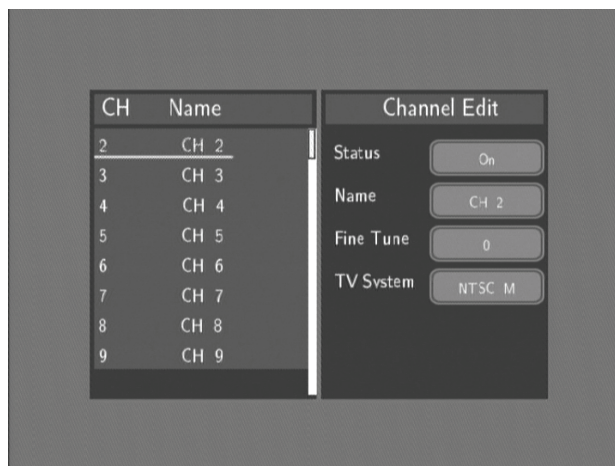
2. Channel Scan

Scan all the available TV channels. Every channel will be displayed on the screen.

3. Channel Set

There will be a list of all the channels shown on the screen. Move the cursor to a channel. Press **ENTER** to edit the channel.

Use **▲**, **▼** key to select a field, press **◀**, **▶** key to change the value.



Status: on / off.

Press **◀**, **▶** key to change the status. If the channel is turned off, the channel will be skipped when pressing **CH UP** or **CH DOWN** key. However, you can input the channel number by digit key directly.

Name: press **ENTER** to edit name for the channel.

Fine Tune: Press **◀**, **▶** key to fine-tune the signal of the tuner.

After setting the field, press **RETURN** to return to the channel list.

C. Audio setting

1. Night Mode :

Select a night mode, off, on or comfort.

2. S/PDIF :

Select the type of S/PDIF output, **RAW** or **LPCM**. This will only affect the audio data from **optical jack**. If **RAW** is selected, MR1 will send out the RAW audio data. If **LPCM** is selected, MR1 will convert the audio data to **LPCM** and send it out through **optical jack**.

D. Video setting

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, MR1 crops both side of wide screen video to fit the 4:3 screen.

b. Letter Box 4:3

MR1 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.

Note:

- ✓ If you watch a standard TV program on a 16:9 TV, there will be a black bar on both side of the screen. You can change the aspect ratio from 16:9 to Pan Scan 4:3 or Letter Box 4:3, then you can watch in full screen.

2. Brightness

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



3. Contrast

Adjust the contrast of the output video. Press ◀, ▶ key to adjust and press **ENTER** key to confirm.

4. Video System

Display the resolution or the video system selected. This field can not be modified. You can change the resolution setting in **Easy Setting / Resolution Set submenu**.

E. Record setting

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 the position of previous or next chapter mark.

F. Network setting

Select **DHCP IP (AUTO)** or **STATIC IP (MANUAL)** according to your LAN configuration. If your LAN supports **DHCP IP (AUTO)** function, you can select **DHCP IP (AUTO)** setting. **MR1** will get the IP address automatically. Otherwise, you have to select **STATIC IP (MANUAL)** and set the **IP Address**, **Subnet Mask**, and **Default Gateway parameters manually**.

G. System setting

1. Time

Set the Date and Time.

2. Restore Default

MR1 will restore all the default settings.

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

II. Playing 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 select a photo file to start playing. MR1 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.

III. Repeat playing

MR1 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 playback	Repeat Title, Repeat Chapter, Repeat Off	Repeat from A to B

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. MR1 starts playing from point A to point B repeatedly, until **A-B** key is pressed again.

IV. Zoom in

You can **ZOOM** in the display when MR1 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

MR1 can serve as an external HDD of PC. When MR1 is powered on, use supplied USB cable to connect USB Host port of PC and **USB Device** port of **MR1**. Windows operating system of PC will detect HDD of MR1 automatically. You can use file explorer to manipulate the files in HDD of MR1.

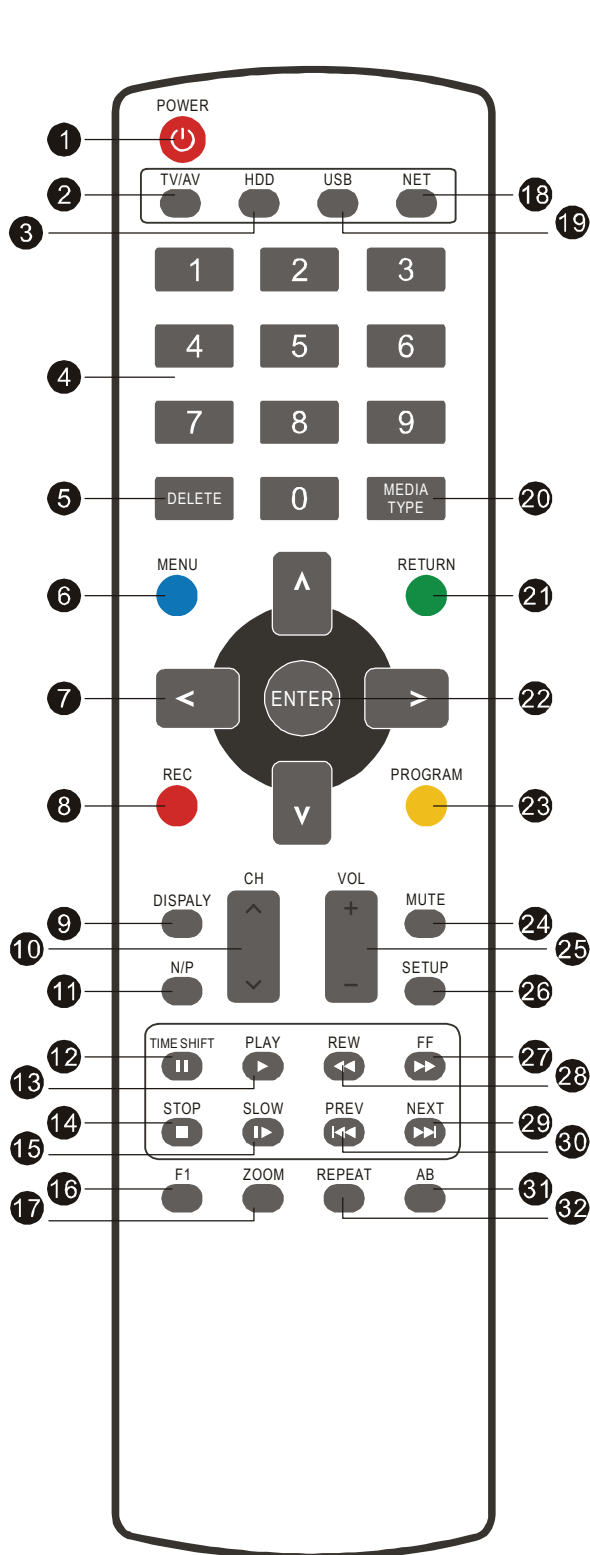
Note:

- ✓ The **OS** of PC needs to be compatible with **Windows XP and above**.
- ✓ Use safely removal function in Windows to stop the HDD before removing the USB connection.
- ✓ **DO NOT** break the USB connection when HDD is writing or reading.
- ✓ **DO NOT** delete HDD partitions or format the HDD of MR1 when connecting with a PC.

VI. Using an Ethernet cable to connect MR1 with a PC directly

You can connect MR1 and a PC directly using an Ethernet cable. Because there is not router in the configuration, you can not select **DHCP(auto)** configuration. You have to set the IP address of both MR1 and your PC manually. Once you have an IP address for your PC, input the IP address as a shortcut in **/My shortcuts/** in MR1. (refer to **Browsing files from NET** section in this manual). When you browse **NET** device, there will be a **/My Shortcuts/** listed. Open the item, you will see the IP address of your PC. You can open the IP address to browse the shared folder of the PC.

VII. Key definition for playing DVD files



1. POWER
2. TV/AV
3. DHH
4. 0~9 **Number keys**
5. **DELETE** : Go to DVD menu screen
6. MENU
7. **Direction keys**
8. REC
9. DISPLAY
10. **CH + / - : Subtitle / Angle selection**
11. **Search** : Go to a specified title/chapter/Time
12. **Pause** : Pause
13. **PLAY** : Play
14. **STOP** : Stop
15. **SLOW** : Slow play
16. **Audio selection**
17. **ZOOM** : Change zoom factor
18. NET
19. USB
20. **Bookmark** : Set a bookmark
21. **RETURN** : Go to the bookmark
22. **ENTER** : Enter
23. PROGRAM
24. MUTE
25. VOL +/-
26. SETUP
27. **FF** : Fast forward
28. **REW** : Fast rewind
29. **NEXT** : Next chapter
30. **PREV** : Previous chapter
31. **AB** : A-B repeat
32. **REPEAT**

Note on DVD Playback

1. Back up a DVD video Disc into a folder in HDD, USB or NET storage device. Some DVD Discs can not be copied because of copy protection. The backup operation must obey your local law of copyright. Please do not copy or distribute media with copyright.
2. Browse the folder and Open the **video_ts** subfolder.
3. Play the **video_ts.ifo** file. Usually, the **video_ts.ifo** is the first file in the subfolder.
4. The menu of the DVD video will be shown, you can use the remote control to navigate the DVD video.

Navigation function

1. **Audio** selection (F1 key)
Select different audio or language setting.
2. **Subtitle** selection (CH +)
Select a subtitle.
3. **Angle** selection (CH -)
Select a viewing angle.
4. **Bookmark** (MEDIA TYPE key)
Set a bookmark.
5. **Go to Bookmark** (RETURN key)
Go to the bookmark.
6. **DVD Menu** (DELETE key)
Go to Menu of the DVD video
7. **Search** (N/P key)
Press the Search key, a **Playback Search** dialog box will be popped up. Use ▲, ▼ arrow key to select **Title, Chapter, or Time** setting. Press **ENTER** to start **Title/Chapter/Time** input. You can use ▲, ▼ arrow key or digits key to change the value. Press **ENTER** again, the display will jump to the specified **Title/Chapter/Time**. Press **Search** key again, the dialog box will be closed.
8. **Play control** keys

Key	Function
▶ PLAY	Play
⏏ PAUSE	Pause
⏩ FF	Fast forward play
⏪ REW	Fast backward play
⏮ PREV	Jump to previous chapter
⏭ NEXT	Jump to next chapter
■ STOP	Stop playing
Slow	Slow play

FAQ

Q1: There is no display when playing recorded video, browsing video and photo.

You might use composite AV OUT connection and select **NTSC/PAL** progressive scan, 720p, or 1080i resolution. MR1 display the Menu in NTSC/PAL resolution, and play recorded video, photo, and video in selected resolution. Composite **AV OUT** only supports **NTSC/PAL** system. Please 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 Audio output jack to Audio input of component input port 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, **MR1** only support **NTSC** and **PAL** system.

Q5: MR1 can not detect a USB device

MR1 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.

© Please visit www.emprex.com for more products and support information.

Technical Specifications

Physical Dimension	Height: 225 mm x Depth: 204 mm x Width: 66 mm
Weight	3.0 Kg (without Hard disk drive)
Operation Temperature	0°C - 45°C
Playback Format	Audio: MP3, WMA , PLM, OGE, WAV Video: MPEG 1/2, DivX HD, DivX 3.11, 4.12, 5, 6; AVI, VOB, MPG , DAT, Xvid, TP, TS Picture: JPG , BMP Subtitle: SRT
Remote Control	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 (Not included)	Size: 3.5 inch IDE type HDD (FAT32) Capacity: max. 500GB supported
Power Adapter	Input: AC90V~250V Output: DC +12V 2A, DC +5V 4A
Language	English, German, French, Italian, Spanish, Chinese traditional, Chinese simplified, Japanese, Korean

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