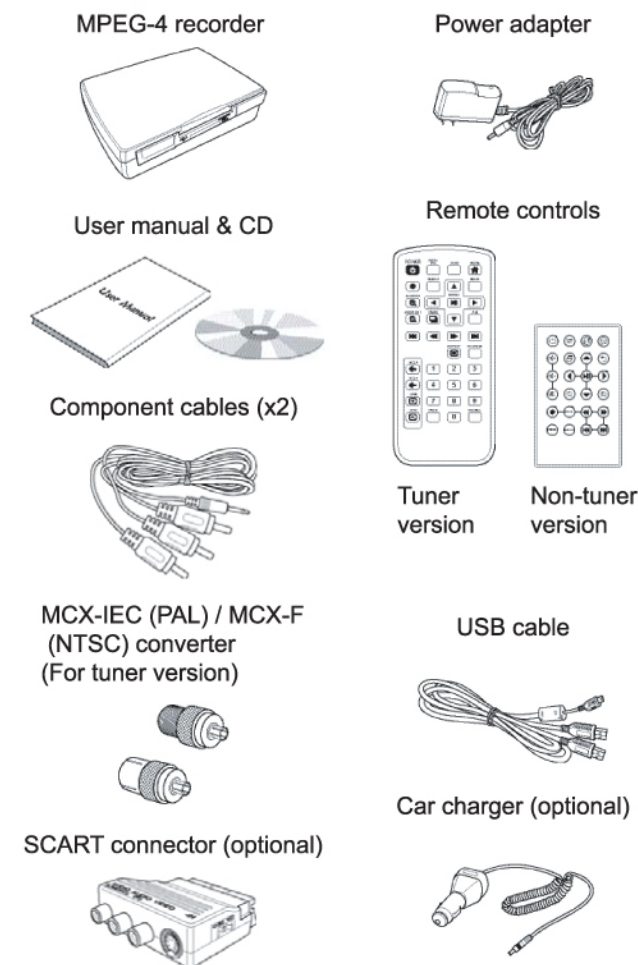
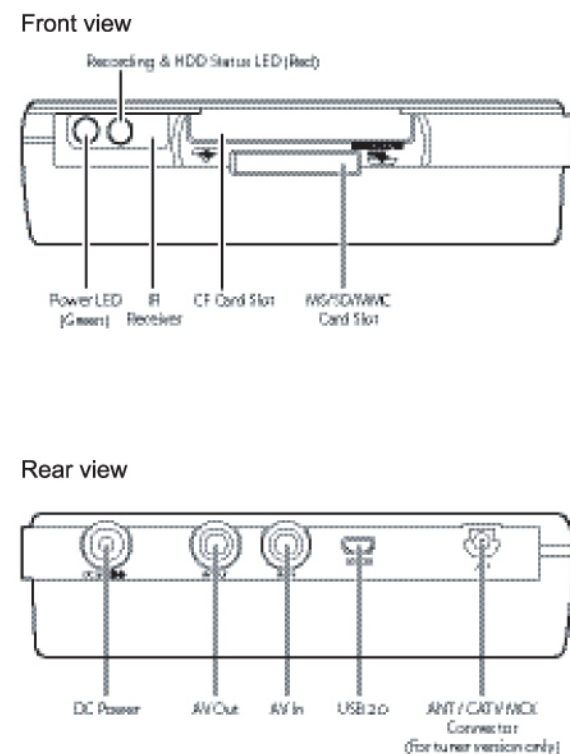


Package contents

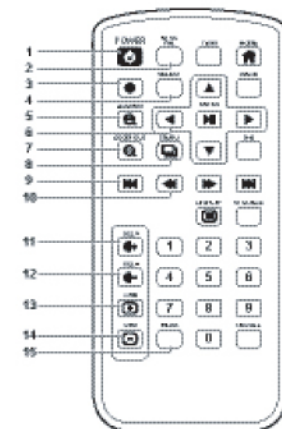


About the MPEG-4 recorder

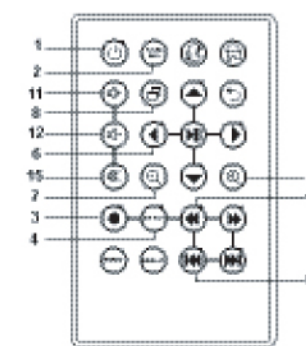
Refer to the following sections for information about the hardware components of the recorder.



About the remote control

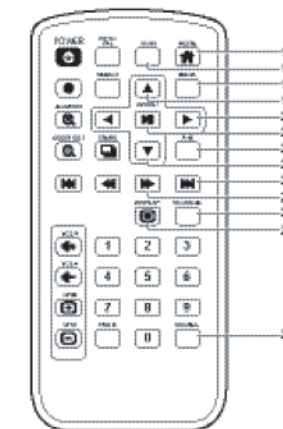


Tuner Version

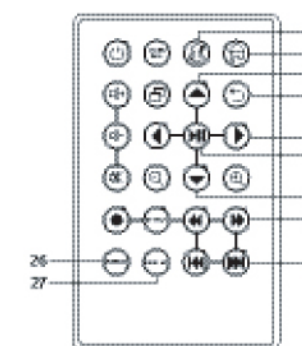


Non-Tuner Version

Icon / Description	Icon / Description
1. Turns on the power	16. Returns to the main menu
2. Switches between NTSC and PAL system	17. Switches between TV and AV
3. Start to record	18. Returns to the previous menu or stop recording
4. Confirms selection of file, folder, or menu item	19. Scrolls up
5. Zooms in	20. Scrolls right
6. Scrolls left	21. Plays or pauses playback of photo, video, and audio
7. Zooms out	22. Repeats playback of selected audio/video file
8. Enters the setting menu	23. Scrolls down
9. Plays the previous photo, video and audio files	24. Fast Forwards playback of video and audio files
10. Increases the volume	25. Plays the next photo, video and audio files
11. Increases the volume	26. Switches between CF card, MS/SD/MMC card, and HDD
12. Decreases the volume	27. Turn the on screen display on and off
13. Increases the channel number	28. Return to the last channel selected
14. Decreases the channel number	
15. Mutes all sound	



Tuner Version



Non-Tuner Version

Icon / Description	Icon / Description
16. Returns to the main menu	
17. Switches between TV and AV	
18. Returns to the previous menu or stop recording	
19. Scrolls up	
20. Scrolls right	
21. Plays or pauses playback of photo, video, and audio	
22. Repeats playback of selected audio/video file	
23. Scrolls down	
24. Fast Forwards playback of video and audio files	
25. Plays the next photo, video and audio files	
26. Switches between CF card, MS/SD/MMC card, and HDD	
27. Turn the on screen display on and off	
28. Return to the last channel selected	

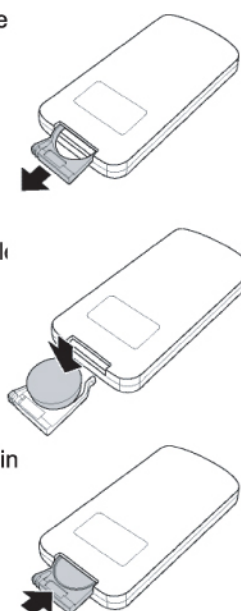
Getting started

This chapter describes the preliminary steps required to set up the recorder and how to make connections before starting to use the device.

Installing the remote control battery

Follow these instructions to insert the remote control battery:

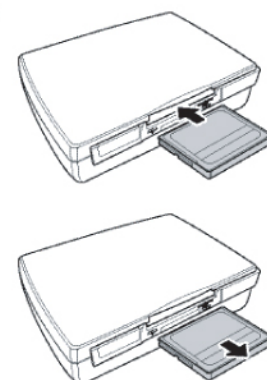
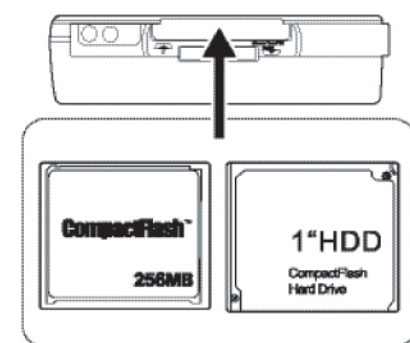
1. Push in the clip at the side of the battery holder.
2. Pull battery holder out.
3. Insert the battery as shown, while noting the correct polarity
4. Push battery holder and snap it in place.



Inserting the Compact Flash (CF) card

Push the CF card or Hitachi 1" Micro Drive into the CF card slot until it is firmly in place.

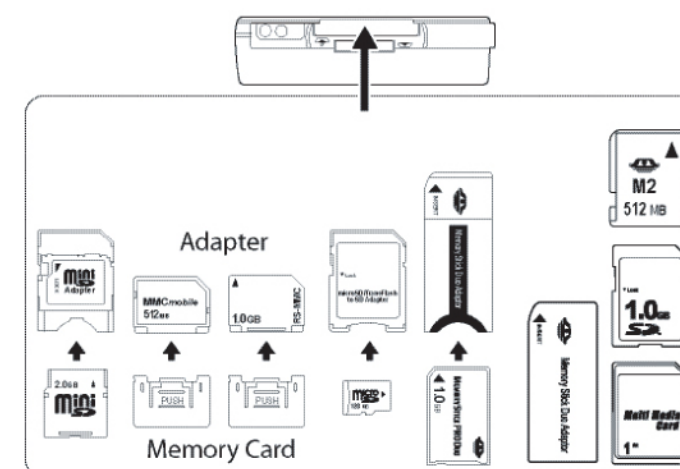
To remove the card, grip the card and pull gently.



Inserting the MS, SD, MMC series memory card

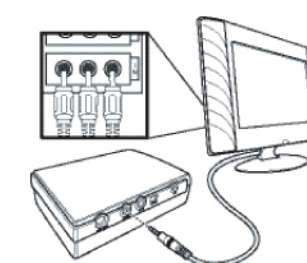
Push the card into the card slot until it is firmly in place. Ensure the front side of card is face down.

To remove the card, grip the card and pull gently.



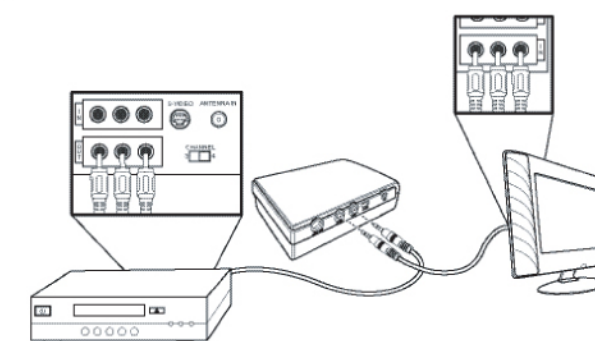
Connecting to a TV (viewing only)

Connect the A/V connectors (red, white, and yellow) of the A/V cable, to the corresponding input connectors on the TV. Connect the other end to the AV Out socket at the back of the recorder.



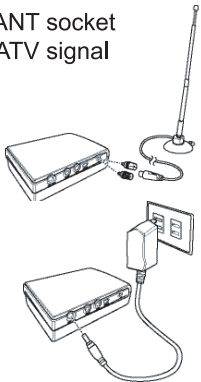
Connecting to a DVD player, VCR or camcorder (recording)

Connect the A/V connectors (red, white, and yellow) of the A/V cable to the corresponding output connectors on the DVD player, VCR, or camcorder. Connect the other end to the AV In socket at the back of the recorder. Connect the second A/V cable to the AV Out socket as described in the previous section.



Connecting to CATV (for tuner version)

Plug the supplied MCX converter into the ANT socket at the back of the recorder. Connect the CATV signal to the input port on the MCX converter.

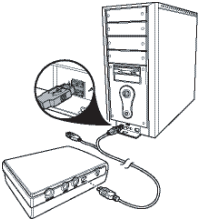


Connecting power

Connect the power adapter to the DC-in socket at the back of the recorder. Plug the other end of the adapter into a power outlet.

Connecting to a PC

Connect one end of the USB cable to the computer USB port and the other end to the USB port at the back of the recorder.



The USB cable has two USB connectors (Type A) on one end. If one USB port does not supply enough power to the hard drive, plug another USB connector into the computer's second USB port.

USB Mode

When connected to a PC via USB, the PVR can be used as an external hard drive to copy or delete files.

Notes
When the PVR is in USB mode, please remove the AV cable. AV mode is disabled when the PVR is connected to a computer.

Turning on the MPEG-4 recorder

Press the button on the remote to turn on the MPEG-4 recorder. The green power LED lights up.

Press the button again to turn off the recorder.

Using the MPEG-4 Recorder

Now that you have set up the recorder, you are ready to use it to record videos, watch videos, view your favorite images, listen to audio tracks, and manage files. This chapter provides detailed instructions for these tasks and for using the OSD (On Screen Display) menu.

Recording videos

There are many devices can be the display to view the recorded videos. Such as TV, PSP, Video iPod, mobile phone, PDA, Smartphone and so on. Use the keys to select the target device for video recording.

Function List: Recorder - Video - Photo - Music - Setup -Browser

Target device to play recording

Video resolution

Status Bar: Time - Information - Storage - Capacity

simple record

- To start a recording:
1. Highlight the Recorder menu on the main menu and press .
 2. Use the keys to highlight the target device or resolution.
 3. Select the target device and resolution using the keys.
 4. Press the key to preview the video source.
 5. Press the TV/AV key to change the video source and change to the input device channel i.e. TV, DVD, VCR or Camcorder.

Resolution / Source / Target device

Record status

Status Bar: File name - Volume - Available recording time - Storage

6. Press the key to start recording.
7. To stop recording, press the BACK key.
8. To view the recorded item, see the section of "Playing videos".

Recorder Option

- To access the Recorder Option, do the following:
1. Highlight the record section and press twice.
 2. Press the key to enter the Recorder Option menu.
 3. Use the keys to select an option.

Input source
Use the keys to choose between **AV** and **Line**.

Resolution
Use the keys to choose among the available resolutions.

Record quality
To choose the quality of the recording highlight, use the keys to choose **Super Fine**, **Fine**, **Normal**, or **Economic**.

Schedule recording

Use the keys to turn ON or OFF. Press to enter the following screen for settings. You can set up to 5 recording schedules.

- To delete a schedule, do the following:
1. Highlight a schedule from the list, and press the SELECT key.
 2. Press the key to select Delete and press .

To edit the schedule for recording, press . The following screen is displayed. Use the keys to select an option.

Input Source
Use the keys to choose between **TV** and **Line**.

Channel
Use the keys to choose a channel.

Target Storage
Use the keys to choose among MS, SD, CF memory cards, or built-in HDD.

Start Date / Start Time / Duration
To access the start date and start time option, press .
1. Use the keys to highlight each field and then use the keys to adjust the settings.
2. Press to complete.

Repeat
The repeat option allows you to choose when this recording is activated. Use the keys to choose among **Once**, **Daily**, or **Weekly**.
When all the settings are done, select **Save** and press . Press the BACK key to return to the schedule list.

Watching videos

Function List: Recorder - Video - Photo - Music - Setup -Browser

Preview section

Menu: Repeat Delete Copy

Status Bar: Time - Information - Storage - Capacity

The recorder supports .ASF, .AVI and .MP4 image file formats.

Playing videos

1. Highlight the Video menu using the keys.
2. Press to access the file list.
3. Use the keys to highlight the required file and press to play the file.

Viewing photos

Function List: Recorder - Video - Photo - Music - Setup -Browser

Preview section

Menu: Slideshow BGM Delete Copy

Status Bar: Time - Information - Storage - Capacity

The recorder is able to display .JPG, .GIF and .BMP image file formats.

Displaying images

- To display still images:
1. Highlight the Photo menu using the keys.
 2. Press to access the file list.
 3. Use the keys to highlight the required file and press to play the file.

Zoom Ratio

Status Bar: File Name - Music Volume - Image Total - Storage

Listening to music

Function List: Recorder - Video - Photo - Music - Setup -Browser

ID3 Tag: Artist Title Album Progress Bar

Playback Buttons

Status Bar: Time - Information - Storage - Capacity

Menu: Repeat / Delete Copy

The recorder is able to play both .WMA and .MP3 audio file formats.

Playing audio

- To play an audio file:
1. Highlight the Music menu using the keys.
 2. Press to access the file list.
 3. Use the keys to highlight the required file and press to play the file.

Example: Mobile Phone

Some mobile phones can playback the recorded file from the record. Before recording, specify the brand, model name, and recording format of the mobile phone from the OSD.

Brand

Model name

Recording format

If your mobile phone model is not on the list, select the mobile phone mode to record the video. Make sure your mobile phone is capable of .MP4 file playback (MPEG4 video streaming with AAC audio) or .3GP file playback (MPEG-4 video streaming with AMR audio) before proceeding. If not, you will not be able to record videos that can be played back on your mobile phone.

1. Insert the memory card into the recorder.
2. Set up the recording format. We recommend using the 176x120 format.
3. Once recording is complete, remove the memory card from the recorder and insert it into your mobile phone.
4. Launch the video player on your mobile phone.
5. Play back the videos stored on your memory card. The playback quality will depend on the processing power of your mobile phone.