



2HD Video
with Line Recording

OWNER'S MANUAL

MODEL : L218/L217/L216/L214



Before connecting, operating, or adjusting this product,
please read this instruction booklet carefully and completely.

Internet Address: <http://www.lg.ru>
Информационная служба LG Electronics (095)742-77-77

Precautions, Contents & Features

Thank you for buying
this video.



I am LG Service
Character and
based on excla-
mation mark
that means cus-
tomer's impression.
I should like to help
you to get to know your
new video.



Position your video so that no bright light or
sunlight falls directly onto it.

Care should be taken not to expose your
video to any unnecessary vibration,
moisture, dust or heat.

During electrical storms it is advisable to
unplug both the aerial cable and mains plug to prevent
accidental damage to your video and TV.

**Do not operate your video if it is damaged.
Your video should not be repaired by anyone except
qualified service personnel.**

Never remove the back cover of your video as this can
expose you to very high voltage and other hazards. If
your video does not operate properly, please check the
Troubleshooting Guide on page 15. If your video still
does not operate properly, unplug it and call your
dealer.

**If the unit is suddenly moved from a cold place to a
warm place, do not operate it for two or three hours.**
Moisture condensation on the head drum, one of the
most crucial parts of the unit, will cause damage to the
tape. If you experience the above condition, plug the
mains lead into an AC outlet, set the POWER switch to
ON, and leave at room temperature until moisture
condensation disappears.

**The apparatus shall not be exposed to dripping or
splashing and that no objects filled with liquids,
such as vases, shall be placed on the apparatus.**

Warning

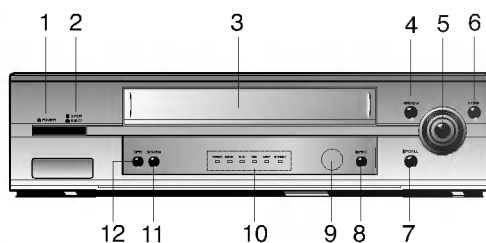
Precautions, Contents & Features	●
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Remote Control Functions	●
On Screen Display	●
Playing a tape	●
Other Playback Features	●
Video Doctor	●
Recording	●
Dubbing Tapes	●
Troubleshooting & Specifications	●

- Super Multi System
 - PAL, SECAM - B/G D/K
 - MESECAM, NTSC 3.58/4.43
 - NTSC Playback on PAL TV
- Long Playback & Recording (LP/EP)
- ICON OSD (On Screen Display)
- OPR(Optimum Picture Response) (see page 9.)
- Video Doctor (Self-Diagnosis)
- Line Recording thru AV jack

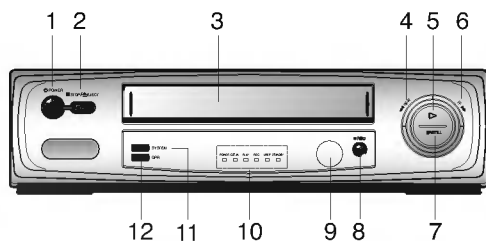


Each button on your video has the same function as its corresponding button on the remote control. (see page 6.)

MODEL : L218

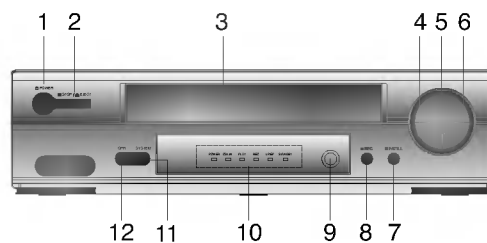


MODEL : L216

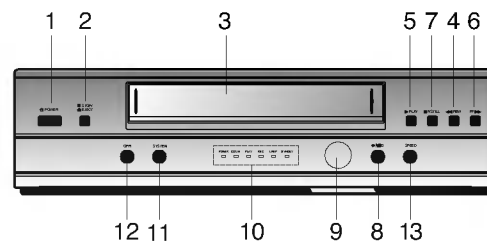


1. Power (ON/OFF)
2. Stop & Tape Eject
3. Cassette Compartment
4. Rewind
5. Play
6. Fast Forward

MODEL : L217



MODEL : L214



7. Pause/Still
8. Record
9. Remote Control Sensor
10. Function Indicators
11. System Select (see page 7.)
12. OPR (see page 9.)
13. SPEED (see page 12.)

Your Video's Controls

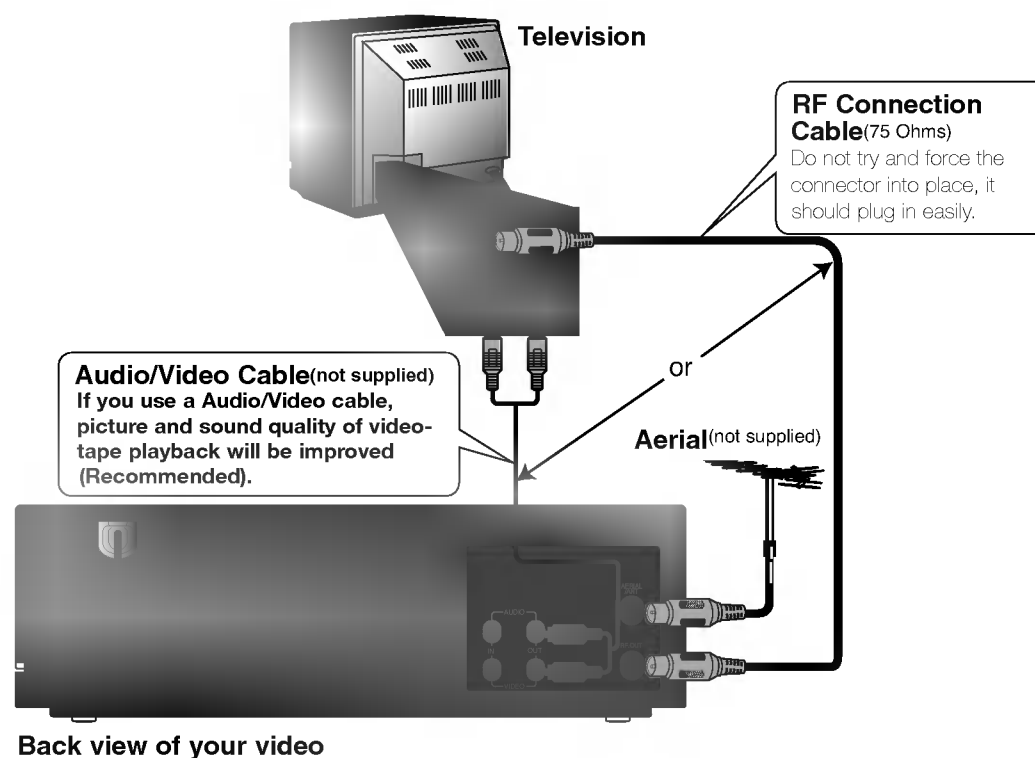
Connecting To a TV

If you connect your video using the supplied **RF Connection Cable** (75 Ohms) you will have to tune in a video channel on your TV in order to view video tapes. Further on in the book you will be given guidance on how to tune in your TV.

Make sure all appliances are unplugged from the mains before connecting.



The guidance given on this page is the most common form of connection. However please check with your manufacturer's instruction books for specific information. Make sure all connections are made with both your video and additional appliance unplugged from the mains to avoid damaging your equipment. **Connecting a video using Audio/Video cable is one of the best ways to achieve optimum sound and picture quality from video-tape playback (Recommended).** If you own a TV with AV input sockets you will be able to enjoy it; you will be unable to enjoy this facility if you connected just using a normal RF cable.





Your TV receives signals from the video like another TV station.

You have to select a channel number on your TV and tune it in so that you may watch video tapes.

If you connect a monitor or a TV set equipped with AUDIO and VIDEO sockets this adjustment will not be necessary, simply select the AV mode on your TV (Recommended).



Make sure that you have correctly installed your video as described earlier in this book.

Press **POWER** to turn on your video.

Turn on your TV.



Insert a pre-recorded video tape into your video and press **PLAY**.

Select channel 36 on your TV.

And then you will see the picture being played in your video.



Store the selected TV channel on your TV. (You will need to look at the TV instruction book if you do not know how to do this.)



Changing the transmitter channel

If channel 36 is already occupied at your TV set, or if the picture is distorted, or if you want to change the channel for audio output (B/G or D/K), please consult your nearest service center.

Tuning in a Video channel On your TV



To watch TV programs, turn off your video.

When your video is on, broadcast reception through the AERIAL socket is not possible.

Remote Control Location & Function



If you do not intend to use the REMOTE CONTROL HANDSET for a long period of time, remove the batteries, store them in a cool, dry place and out of the reach of children.

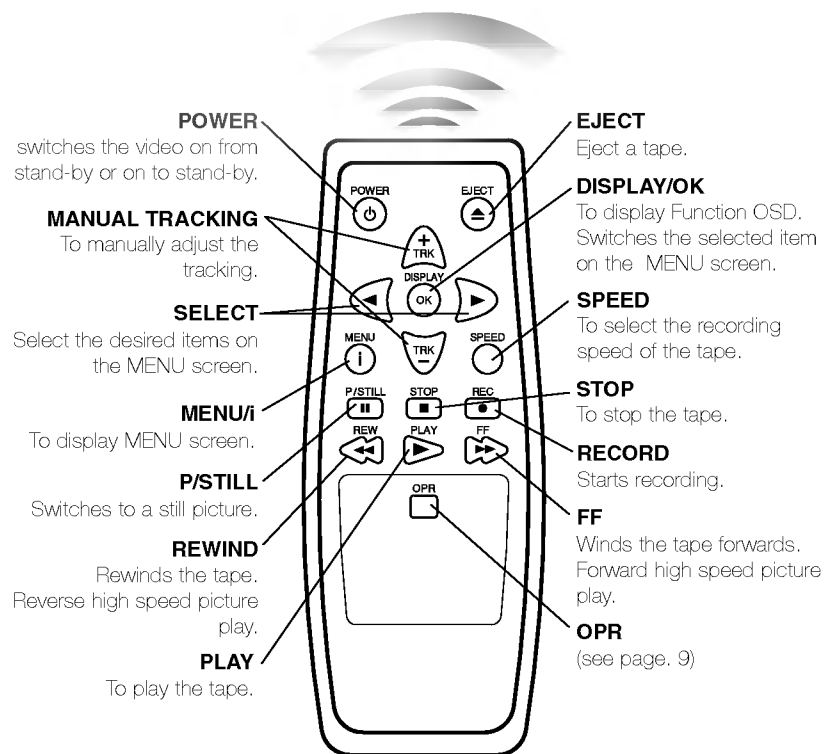
Do not use batteries of differing age or type. Always discard batteries safely.



Your video is designed so that almost all of its features can be controlled from the **REMOTE CONTROL**

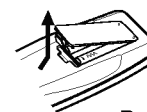
HANDSET. Some features can also be controlled from the **FRONT PANEL** of the video.

The maximum operating distance that you may control your video player is about 7.5 metres (25 feet). It must also be within an angle of 30 degrees either side of the **REMOTE SENSOR** on the front of your video.



Battery Installation

Your REMOTE CONTROL HANDSET is powered by two AAA type batteries.



To insert them, push the tab backwards and lift off the cover of the handset.

Put the two batteries into the compartment making sure the **+** and **-** are correctly positioned.

Replace the cover.



On Screen Display gives you information about the tape counter and operational mode of your video. Some functions of this video can be set and altered on the TV screen using the remote control with On Screen Display.

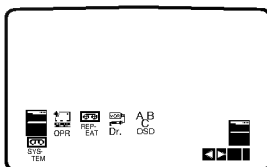
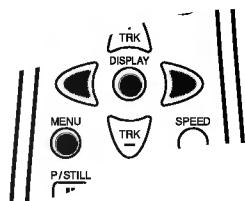
MENU OSD

Press **MENU / i** to display the main menu.

Press **◀** or **▶** to select the desired menu.

Press **DISPLAY / OK** and press **◀** or **▶** to select the sub menu.

Press **MENU / i** to remove the menu screen.



FUNCTION OSD

Switches the function OSD **ON** or **OFF**.

OPR

To improve the playback picture (see page 9).

REPEAT

If you want to play back a tape repeatedly, set **REPEAT** to **ON** (see page 10).

Dr.

To check a problem with your video (see page 11).

ABC OSD

To change the language setting for OSD (**ENGLISH** or **RUSSIAN**).

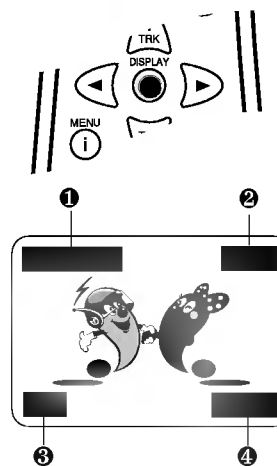
SYSTEM

Select the colour system used for playback and recording. You can also set the system by pressing **SYSTEM** on the front of your video. The system is changed as shown below.

Source	Mode	System Change
PAL/ MESECAM	Recording	AUTO→PAL→MESECAM
	Playback	AUTO→PAL→MESECAM
NTSC	Recording	NTSC3.58→NTSC4.43
	Playback	NTSC-PB→NTSC3.58→NTSC4.43

FUNCTION OSD

Press **DISPLAY/OK** to display the function OSD.



- ① Operating mode
- ② Colour system
- ③ OPR mode (see page 9.)
- ④ Tape counter (hours:minutes:seconds)

On Screen Display



The tape counter changes to 0:00:00 when the tape is ejected. The tape counter does not work when the tape is not inserted. After 3 seconds, the function OSD will automatically disappear.

How to play back a tape



This video is designed to play back and record cassettes using PAL, MESECAM, and NTSC (3.58 or 4.43) colour systems. You will only be able to load and eject video cassettes when your video is plugged into the mains.

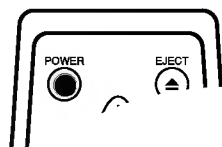
Getting a better picture

When a cassette is inserted and playback started, the automatic tracking function works to get the best possible picture automatically. **"AUTO TRACKING"** will appear on the TV screen while it is doing this. If the quality of the recording is poor, repeatedly press **TRK** (- or +) on the remote control to manually adjust the tracking until any distortions have been removed.

Make sure that you have correctly installed your video as described earlier in this book.

Press **POWER** to turn on your video.

Turn on your TV.



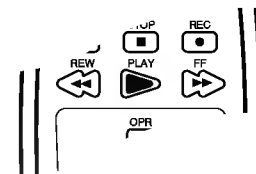
Insert the video cassette into your video. The video cassette should have the window side facing up and the arrow facing away from you.

Do not attempt to force a cassette into your video. There may already be a video cassette in your video. You may have the cassette upside down or back to front!

Check your tape programme system before playing back a tape.

Press **PLAY** to start playing your tape.

If you load a video cassette which has had its record protection tab removed (e.g. rental movies from video hire shops) playback of the cassette will start automatically.



If you set **SYSTEM** to **AUTO**, your video detects the colour system automatically.

If there are colour problems with very weak signals, you should select the colour system manually.

Or ; If your tape programme is NTSC3.58 or NTSC4.43, set the system to **NTSC3.58** or **NTSC4.43** on a multi-system TV, or **NTSC-PB** on a PAL TV by pressing **SYSTEM** repeatedly on the front of your video.

You can also set the system from the On Screen Display. (see page 7.)

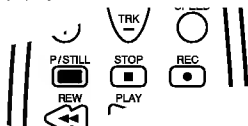


Video Head Cleaning

Dirt accumulating on the head after a long period of time can cause the playback picture to become blurred or broken up. High quality video cassette tapes will not normally deposit dirt onto the video head, but old or damaged tapes might. Clean the video heads with a commercially available video heads cleaning tape.

STILL

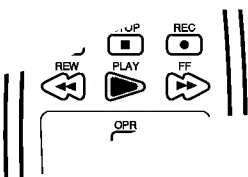
Press **P/STILL** to still a picture.



Tapes can be paused for up to 5 minutes. After 5 minutes your video will stop playing the tape to prevent damaging the tape or your video.

A still picture will be unstable or will have noise, this is quite normal and doesn't mean that there is anything wrong with your video!

Press **PLAY** to continue playing your tape.



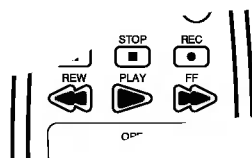
Visual search

Press either **FF** or **REW** during playing back. This will enable you to rapidly wind the tape and see where you are on the tape.

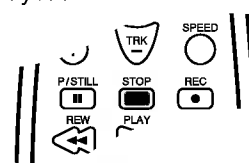
Press **PLAY** to resume normal playback speed.

During visual search **PLAY** indicator flashes in the display window on the front of your video.

Visual search will only continue for about 3 minutes, after which your video will return to normal playback. During visual search the sound is muted and there will be some noise streaks on the TV screen.

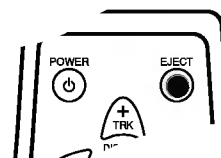


Press **STOP** to end playback.



Press **EJECT**.

The cassette compartment will open and the video cassette will be partially ejected.



If the end of the tape is reached, your video will stop playback automatically, rewind, stop, eject the tape, and place itself into **STANDBY**.

OPR (Optimum Picture Response) :

This feature automatically improves playback picture quality by adjusting your video to the condition of the tape.

Press **MENU / i**.

Press **◀** or **▶** to select **OPR**.

Press **OK**.

Press **◀** or **▶** to select : **OFF**, **SOFT** or **SHARP**.



Press **MENU / i** to remove the menus.

Please note you may only set OPR to on when playing a tape.

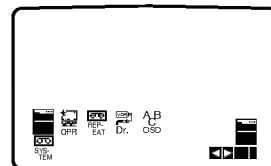
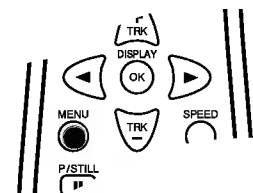
You can also set the OPR by pressing **OPR** on the remote control or on the front of your video.

Other Playback Features

Repeat playback

If you want to play back a tape repeatedly, set **REPEAT** to **ON**.

Press **MENU / i**.

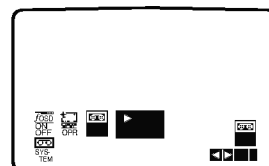
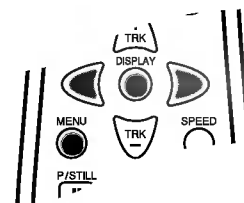


Press **◀** or **▶** to select **REPEAT**.

Press **DISPLAY / OK**.

Press **◀** or **▶** to switch **ON** or **OFF**.

Press **MENU / i** to remove menus from TV screen.



When the end of the tape is reached, video automatically rewinds tape to the beginning and repeats playback continuously.

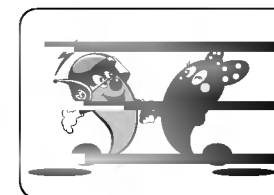
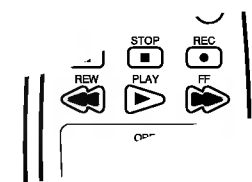
If you want to release this function, set **REPEAT** to **OFF**.

Ejecting a tape automatically switches **REPEAT** to **OFF**.

Logic search

Hold down **FF** or **REW** to watch a picture of tape during fast forward or rewind.

Your video switches forward or reverse search. Release the button to return to the fast forward or rewind.



Video Doctor (Self - Diagnosis)



VIDEO DOCTOR (Self-Diagnosis)

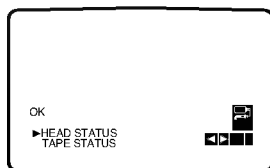
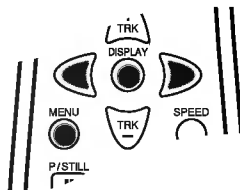
This feature informs you that there is a problem with your video. These error messages will appear on the TV screen.



Press **MENU / i**.

Press ◀ or ▶ to select **Dr.**

Press **DISPLAY / OK**.



Press ◀ or ▶ to check a problem.

HEAD STATUS

- **OK**
- **PLEASE CLEAN :**
Clean your video heads.

TAPE STATUS

- **RECORDABLE**
- **NOT RECORDABLE :**
Insert a tape with its protection tab in place.

Press **MENU / i** to remove menus from TV screen.

How to record

If you do not wish to record on a tape (this can happen quite easily by accident!) remove the safety tab on the back edge of the video cassette.



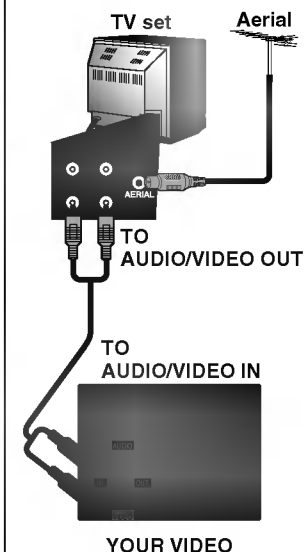
It is possible to record on a video cassette with the record protection tab removed by covering the hole with self adhesive tape.



Your video allows you to make recordings connecting to a TV equipped with **AUDIO** and **VIDEO** sockets.

Connect your video to a TV as shown below.

Your external aerial must be plugged in your TV.



Press **POWER** to turn on your video.

Turn on your TV and select the channel you wish to record with the TV's channel selector.

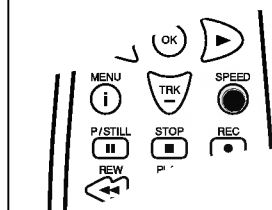
Insert a video cassette with the record protection tab into your video.

The video cassette should have the window side facing up and the arrow facing away from you.

Do not attempt to force a cassette into your video. There may already be a video cassette in your video. You may have the cassette upside down or back to front!

Set the desired recording speed by pressing **SPEED**.

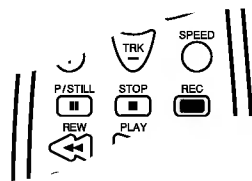
NTSC colour system :
SP or EP.
PAL colour system : SP or LP.



Press **REC** to start recording.



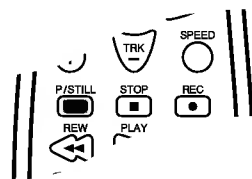
During recording of TV programme you do not change the TV channel number on your TV.



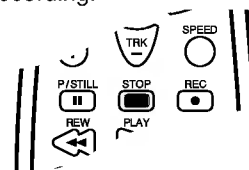
Press **P/STILL** to avoid recording unwanted scenes. REC indicator flashes in the display window.

Press **P/STILL** again to continue recording.

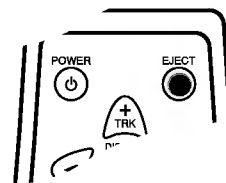
Tapes can be paused for up to 5 minutes; PAUSE will be displayed when a tape is paused. After 5 minutes your video will stop recording to prevent damaging the tape or your video.



Press **STOP** to end recording.



Press **EJECT**. The cassette compartment will open and the video cassette will be partially ejected.



If the end of the tape is reached, your video will stop recording automatically, rewind, stop, eject the tape, and place itself into **STANDBY**.

Dubbing Tapes

Unauthorized
recording of
copyrighted
TV
programmes, films,
video cassettes and
other materials may
infringe the rights of
copyright owners
and be contrary to
copyright laws.



Make sure all connections are made with both your video's and Television unplugged from the mains to avoid damaging your equipment.



Connect your video to
another video as shown
below.



Press **POWER** to turn on
your video.

Insert a pre-recorded
source tape into
another (playing) video.



Insert a blank video
tape with the record
protection tab into your
(recording) video.

Simultaneously begin
playback on another video
and record on your video.



Press **STOP / EJECT** to
stop recording.

Troubleshooting & Specifications

Check the following before calling for service.

No picture & no sound

- Is the mains plug plugged in and switched on ?
- Is the TV switched on ?
- Have you tuned in a video channel on your TV to watch video tapes on ? (see page 5.)
- If you have used a Audio/Video cable to connect your video and TV have you selected the AV mode on your TV?

TV programmes cannot be recorded

Has the external aerial been plugged in your TV?
(see page 12 step 1.)

Video cassette cannot be inserted

Is the cassette compartment empty ?

Remote control does not work

- Is the mains plug plugged in and switched on?
- Is the video switched on?
- Check the batteries in remote control.

The top of the playback picture is unstable

- Is the video cassette damaged, have you tried using another one ?
- Make sure that you are using a video channel on your TV ?

Auto Play does not work

Has the safety tab been removed from the video cassette ?

General

PowerAC 110-240V, 50/60Hz
Power consumption.....Approx. 10 Watts
Tape formatTape Width 12.7 mm (0.5 inch)
Dimensions (W x H x D)360 x 94 x 230 mm
WeightApprox. 3.0 Kg.
Operating temperature5 - 35°C
Operating humidityLess than 80%.

Video

Television systemCCIR standard (625 lines,
50 fields), PAL/SECAM colour
signal
Recording format.....PAL/MESECAM/NTSC3.58/
NTSC4.43
RF OUT.....PAL/SECAM (G or K)
Input level.....1.0 Vp-p, 75 Ohm, unbalanced
Output level.....1.0 Vp-p, 75 Ohm, unbalanced
RF modulatorUHF channels 32-40 (adjustable)

Audio

Input level.....-6 dBm, more than 47 kOhms
Output level.....-6 dBm, less than 1.5 kOhms
Audio trackMono track
Audio frequency response ..100 Hz-10 kHz (-6/+3 dBm)

- Design and specifications are subject to change without notice.



P/N: 3834RP0073W