# ⓝ NIKKAI

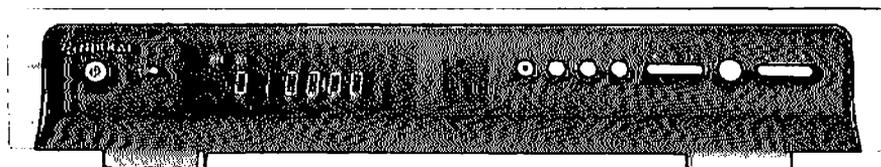## Digital Receiver & Recorder

# A52HF

## OWNER'S MANUAL

Read this manual before installation and use.

English

**This PVR has been manufactured to satisfy international safety standards.**
**Please read the following recommended safety precautions carefully.**

TO REDUCE THE RISK OF FIRE AND ELECTRIC SHOCK, DO NOT EXPOSE THIS UNIT TO RAIN OR MOISTURE.

**CAUTION** To reduce the risk of fire and electric shock, do not remove the cover (or back) of the unit. Refer servicing only to qualified service personnel.

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated 'dangerous voltage' within product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operation and servicing instructions in the literature accompanying the appliance.

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE

CAUTION: TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT AND FULLY INSERT.

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

# Warning

1. Follow these directions to avoid damage of the power cord or plug.
   Do not modify or process the power cord or plug arbitrarily.
   Do not bend or twist the power cord.
   Make sure to disconnect the power cord with the plug held.
   Keep heating appliances as far as possible from the power cord in order to prevent the cover vinyl from melting.

2. Follow these directions. Failure to follow one of them may cause electrical shock.
   Do not open the main body.
   Do not insert metals or inflammable objects inside the product.
   Do not touch the power plug with a wet hand.
   Disconnect the power cord in case of lightening.

3. Do not use the product when it is out of order. If you continue to use the product when defective, serious damage
   can be caused to it. Make sure to contact your local product distributor if the product is out of order

4. Please do not insert metal or alien substance into the slot for the module. In doing so can cause damage to the
   product and reduce its life span

5. Hard Disk Drive
   Do not turn the power off suddenly while the hard disk drive is running. The company shall not be liable for any
   corruption of data on the hard disk drive caused by the carelessness or misuse of users.

CE □

This symbol on the product or in the instructions means that your electrical and electronic equipment should be disposed at the end of its life separately from your household waste. There are separate collection systems for recycling in the EU. For more information, please contact the local authority or your retailer where you purchased the product

| | |
|---|---|
| MAINS SUPPLY: | AC 220-240V ~50/60Hz |
| OVERLOADING: | Do not overload wall outlets, extension cords or adapters as this can result in fire or electrical shock. |
| LOCATION | Place the product indoors to avoid exposing it to lightning, rain or sun. Do not place it near a radiator or heat register. Make sure it has more than 10 cm clearance from any appliances susceptible to electromagnetic influences, such as TV and VCR. |
| LIQUIDS: | Keep liquids away from the PVR. |
| CLEANING: | Before cleaning, disconnect the PVR from the wall socket. Use a cloth lightly dampened with water(no solvents) to clean the exterior. |
| VENTILATION: | Do not block the PVR ventilation holes. Ensure that free airflow is maintained around the PVR. Never store the PVR where it is exposed to direct sunlight or near heating euipment e.g. a radiator. Never stack other electronic equipment on top of the PVR. Place the PVR at least 30mm from the wall. |
| ATTACHMENTS: | Do not use any attachment that is not recommended by the manufacturer; it may cause a hazard or damage the equipment. |
| CONNECTION TO THE CABLE TV SIGNAL AND TV: | Connect all components before plugging any power cords into the wall outlet. Always turn off the PVR, TV and other components before you connect or disconnect any cables. |
| SERVICING: | Do not attempt to service this product yourself. Any attempt to do so will make the warranty invalid. Refer all servicing to a qualified service agent. |
| LIGHTNING, STORM, or NOT IN USE: | If the PVR is installed in an area subject to intense lightning activity, protection devices for the PVR mains connector and modem telephone line are essential. The individual manufacturer's instruction for safeguarding other equipment, such as TV set, Hi-Fi, etc., connected to the PVR must also be followed during lightning storms. Unplug the product from the wall outlet and disconnect the aerial during a lightning storm or when left unattended and unused for a long period of time. |
| GROUNDING: | CATV cable MUST BE EARTHED. The grounding system must comply with SABS 061. |
| REPLACEMENT of PARTS | When the replacement parts are required, be sure the service technician uses replacement parts specified by the manufacturer or those that have the same characteristics as the original part. Unauthorised substitutions may result in additional damage to the unit. |

**NOTE**

**Dispose the used batteries at designated place for environment protection.**

# CONTENTS

## About the PVR

### Front panel

MENU
Open the menu list

Skip forward/backwards

Selected play
Open the Library/Start
playback of selected
recording

Press to Enter

Power indicator

Channel Up/Down

Standby button

Remote sensor

Display

Record Button
Record Current Event

EXIT
Exit from menu list

### Rear panel

Aerial Input
Connect the aerial to this socket

TV Scart
Connection to TV

AC Mains cable

TV aerial 2
for an external TV aerial

Power
Switch

Serial port

Tuner
interconnect
cable
do not
disconnect

Coaxial Digital

AUX Scart
for connection to a VCR
or a DVD Recorder

RF Loop through
Connect the supplied RF loop
through cable to the TV

RF Loop through
for an external device

Please note, the AUX socket can only be used to
loop through SCART video, it is only possible to
record from the internal tuner, it is not possible
to record from external equipment connected to
the AUX socket.

① STANDBY

⑰ DTV/VCR
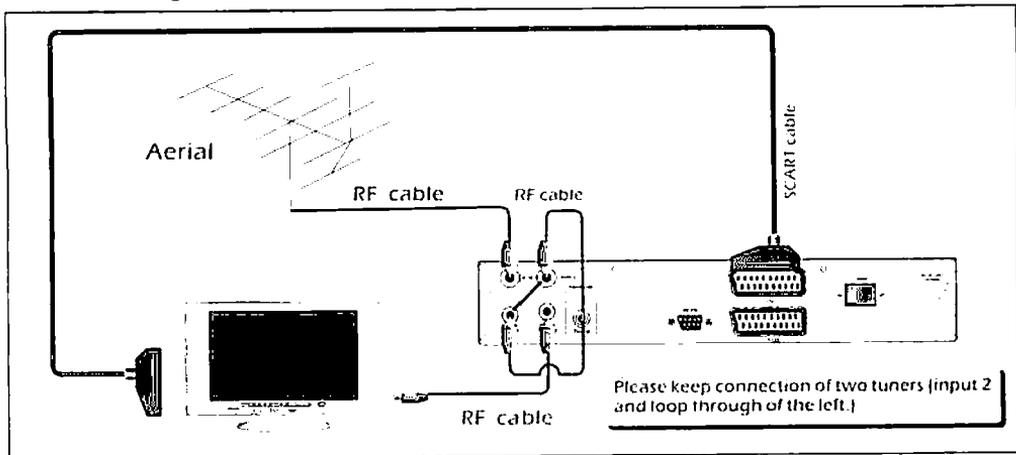
**⑯ NIKKAI**

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**⑨ STANDBY**
(Switch the PVR ON/STANDBY mode)

**⑳ Numeric entry**
(To select a channel directly by entering its channel number)

**③ RECORD**

**④ PAUSE** (for playback recording)
press once to pause
press again to play frame by frame
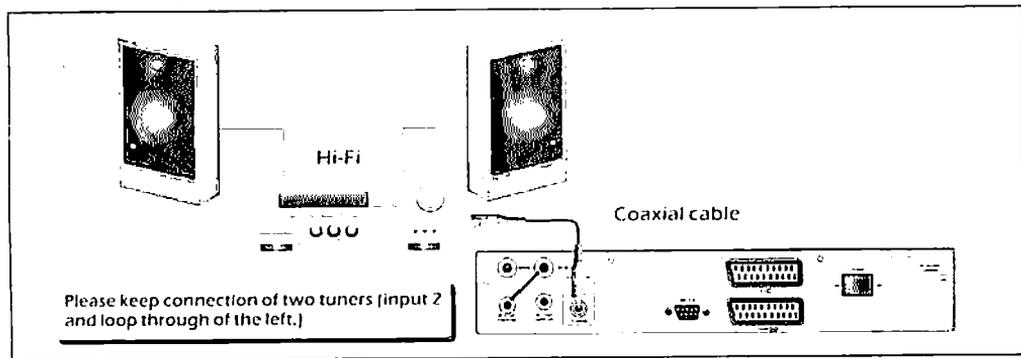
**⑤ PLAY**
(resume playback when paused)

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**⑥ STOP**(for playback recording )

**⑦ Cursor/ Enter**
( to select sub-menu from the main menu and select channel)

to select sub-menu from the main menu and select volume)

(Press to enter)

**⑧ EXIT**
(Exit from menu)

**⑨ Red Button**
(For teletext & recording function)

**⑩ Green Button**
(For teletext & recording function)

**⑪ MUTE**

**⑫ SUBTITLE**
(On/Off subtitle)

**⑬ PVRINFO**
(In playback recording mode, display current playback information)

**⑭ INFO**
(To display current channel information)

**⑮ TV/RADIO**
(Switch between TV and Radio)

**⑯ FAV**
(Open up Favourite list)

**⑰ DTV/VCR**
(Switch between TV and external input through AUX scart)

**⑱ RECORD LIST**
(Open up record list)

**⑲ Search forward**(for playback recording)

**⑳ Search backward**(for playback recording)

**㉑ Slow**(for playback recording)

**㉒ MENU**
(Open up menu)

**㉓ Blue Button**
(For teletext & recording function)

**㉔ Yellow Button**
(For teletext & recording function)

**㉕ LANG**
(Select language)

**㉖ EPG**
(Open up Electronic Programme Guide menu)

**㉗ AUDIO**
(Select audio Left / Right /Stereo / Mono)

**㉘ TTX**
(Open Teletext function)

**㉙ RECALL**
(switch to previous channel)

**㉚ GOTO**
(Press to search favourite scene)
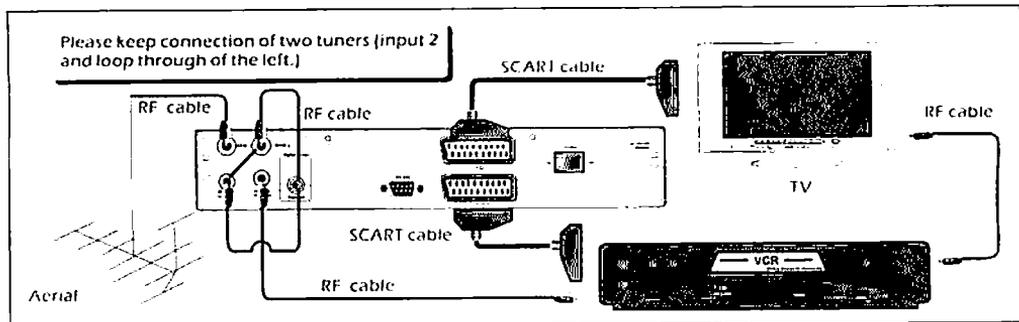
⑫

## Connecting to the TV

Aerial

RF cable

RF cable

SCART cable

RF cable

Please keep connection of two tuners (input 2 and loop through of the left.)

## Connecting a Hi-Fi system

Hi-Fi

Coaxial cable

Please keep connection of two tuners (input 2 and loop through of the left.)

## Connecting a video recorder

Please keep connection of two tuners (input 2 and loop through of the left.)

SCART cable

RF cable

RF cable

RF cable

TV

SCART cable

Aerial

RF cable

VCR

## Switching on

- Install a hard drive (HDD) as the instructions on page 8, this PVR does not have a HDD installed and will not function as a recorder until this is done
- Turn on your TV set and select the AV input (with the AV key, or similar, on the TV remote control). Turn on the main power supply in the PVR, the indicator on the front of the unit will turn green.
- In standby mode, the indicator light will be red.

**NOTE**

- The hard disk will take several seconds for startup after power on. So your PVR will start working after about 3 seconds when you turn on the power.

## Auto Scan /Manual Scan/Scan By NIT

Use "MENU" button on the remote control enter Setup menu of the PVR and then move "cursor" button to "Channel Setting" ,press "OK" button twice to setup "Auto Scan /Manual Scan/Scan By NIT".

① Press "UP" or "DOWN" button to move the cursor to the desired item.

② Press "RIGHT" button to select the option of settings.

③ Press "UP" or "DOWN" button to select the desired item and press "OK" button to confirm.

④ Press numeric button set the Channel No. TPS.

⑤ Select the "Start Search" button to start scan.
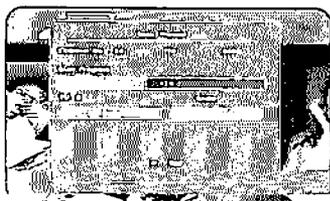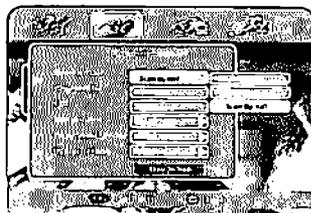
The scanning window will display.
Press "EXIT" button to stop scanning .
Press "MENU" button to return the super menu.

## Changing channels

There are four ways of channel selection - stepping through the channel list, selection by number, from the on-screen channel list, and using the electronic programme guide(EPG).

① Stepping through the channel list by pressing "UP" or "DOWN" button

② Selection by numeric button.

③ Selection by on-screen channel list which is displayed in setup menu of PVR.

④ Selection by EPG.
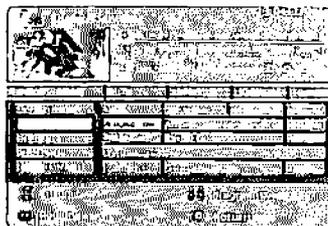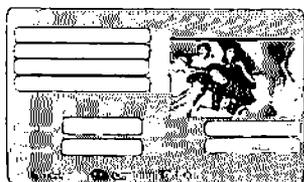
**Accessing the Electronic Programme Guide (EPG)**

① Press the "EPG" button on the remote to enter the EPG menu.

② Press "UP" or "DOWN" button to select the desired channel.

③ Press "LEFT" or "RIGHT" button to preview the program event.

④ Press "OK" button to book the service.

⑤ Press "EXIT" button to quit.

Press "MENU" button to enter the main window and press "LEFT" or "RIGHT" button, select the "EPG" option, press "OK" button to confirm, the EPG window will display.
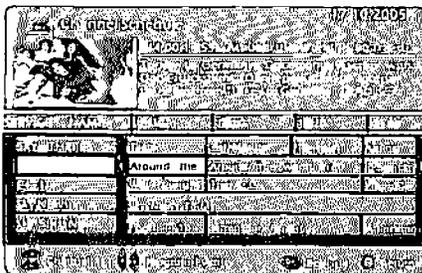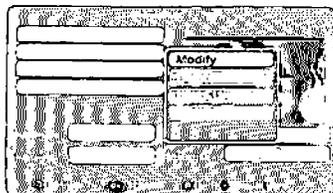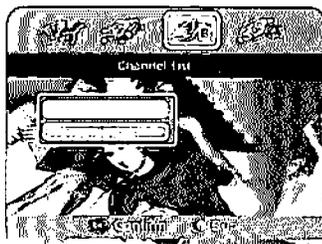


# Channel List

Press the "MENU" then "RIGHT" button to enter Channel List item, you can Modify/Delete/Lock&Unlock/Move/Favourite channel.

## Channel List

① Press "MENU" button to enter the main menu window, press "RIGHT" button to choose and confirm the Channel List item.

② Press "OK" button to select the Channel List.

③ Press "RED" button to switch TV or Radio

④ Press "EXIT" button to exit.

⑤ Press "RIGHT" button to enter sub-menu, then add/modify/delete/lock or unlock/move channel.



## Favourite List

① Enter the Channel Manager window, select "Favourite List" and press "OK" button to confirm.

② Press "RED" button to switch group of favorite.

③ Press "RIGHT" button to add or delete channel, press "OK" button to confirm.

④ Press "EXIT" button to quit, press "MENU" to return the last menu.

⑤ Press "FAV" button to display the favourite window, press "RED" button to switch groups, press "UP" or "DOWN" to select channel, press "OK" button to confirm.
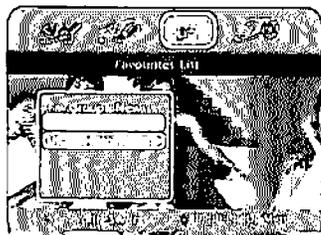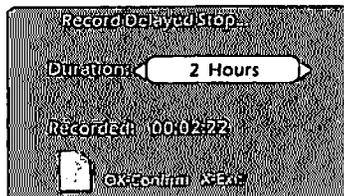
# Recording

Recording current service:

Your PVR can record the current service to HDD.

It will always use Reserved channel( Your PVR only support one recording at the same time )
If Reserved channel is already recording, the operation will be unavailable.

1  Select a desired channel and press "OK" button .

2  Press "RECORD" button , PVR will start to record the
the current service

3  Press "RECORD" button again, the recording
menu will appear.

4  Press "RIGHT" or "LEFT" button  to set recording
duration.

5  Press "OK☐ button  to confirm duration,press "EXIT"
button  to cancel.

When there is a recording on reserved channel, at any time you can switch to another channel.
Please ensure that two sets of RF cables have already been connected.

Timeshift Recording:

Timeshift recording is a temporary recording. If this function is set to enable ,when you
pause the current programme, you can resume playback from then.

• If PVR is recording, Timeshift recording will not work.

• When a recording started ,Timeshift recording will be stopped. When the recording finishes,
Timeshift will start again if Enabled.

1  Press "MENU" button to enter the system setting menu of PVR.

2  Press "UP"or"DOWN" button to select the PVR Setting.

3  Press "OK" button to enter the sub-menu

4  Press "UP"or"DOWN"button to highlight the settings.

5  Press"RIGHT" to sub-menu, press"UP"or"DOWN"to select ,
press"OK"button to confirm.
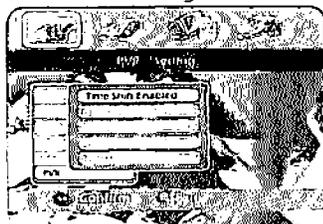
Time Shift Enabled: Activate Time shift

Time Shift Disabled: Deactivate Time shift

Recording from EPG: You can record a service from EPG to HDD.

1  Press the "MENU" button to enter  the main menu .

2  Select the"EPG" menu to confirm.

3  Press "OK"button to select  and confirm the  EPG item.

4  Press "UP "or "DOWN "button  to select the desired channel.

5  Press "LEFT "or "RIGHT "button  to select the desired
TV program .

6  Press "OK "button to enter the Book Service window.

7  Press "UP "or "DOWN "button to select the option of settings.
press "RIGHT "button to enter the sub-menu,and press "UP "or
"DOWN "button to highlight the setting,press "OK "button
to confirm. Then  the PVR will record the reserved service
automatically (Timer recording).

8  Press "OK "button to confirm the booking, or press "EXIT " to quit.
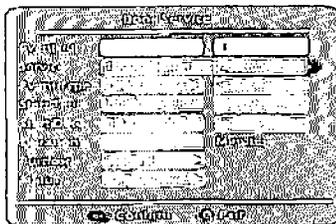
If the TV program will be recorded, a red mark will display  in the EPG  window..

# Record List

Your PVR lists all recorded services in the HDD to RECORD List.

The top left corner of Record List shows more detailed information for the highlighted title including time recorded, length in Megabytes, Event Name, estimated playing time, marking (time) of last viewing, remained HDD space and estimated available recording space in time.

1. Press "RECORD LIST" button on the remote to enter record list.

2. Press "UP" or "DOWN" button to select the desired program.

3. Press "OK" or "RED" button to playback

4. Press the "GREEN" button ,you can rename the selected program.

5. Press "YELLOW" button to delete the selected program

6. Press "BLUE" button to Lock/Unlock the selected program.

7. Press the numeric "ZERO" to sort the recorded files
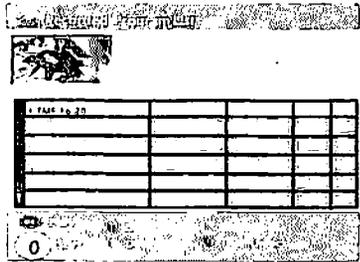
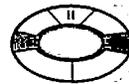For playback,
Last stopped mark is always saved when playback a recorded program and it can be continued by pressing the Red button. Press "OK" button to playback from the beginning.

**NOTE**

- The current recording program can (viewed and reserved channel) not be shown in Record list.
- For "Lock/Unlock"setting, you need to enter Pin code. The default Pin code is "888888".

# Playback

1. Press "RECORD LIST" button the remote to enter record list.

2. Press "UP" or "DOWN" button to select the desired program.

3. Press "OK" button to playback the selected program from beginning.

4. If you want to continue playback from last stopping time, press the red button

Search Forward / Backward:

▶▶x2➔ ▶▶ x4➔ ▶▶ x8➔ ▶▶ x16➔ ▷ (Playback)

◀◀x4➔ ◀◀x8➔ ◀◀x16➔ ▷ (Playback)

SLOW FORWARD:

▶x2➔ ▶x4➔ ▶x8 ➔ ▷ (Playback)

GOTO

Use GOTO function to play the recorded program at a desired time

1. Press "GOTO" button, the goto menu window appears.

2. Use the numeric button to input the desired time and press "OK" button to confirm.Then playback will jump to that time

# Booking List

This menu allows users to set a timer for recording or playing some programs automatically. With this timer, you can pre-program up to 15 events.

① Press the 'MENU' button to enter the main menu of the PVR.
② Press the 'LEFT' or 'RIGHT' cursor button to select 'EPG'.
③ Press the 'OK' button to enter the EPG menu.
④ Press the 'DOWN' button to confirm the 'Booking List'.
⑤ Press the 'UP' or 'DOWN' cursor button to highlight your desired item, you can see see more detailed information of setting.
⑥ Press 'OK' button to enter the booking service.
⑦ Press 'UP' or 'DOWN' button to select the desired item
⑧ Press 'LEFT' or 'RIGHT' cursor button to set the selection you want.
⑨ Press 'OK' button to book.
⑩ Press 'EXIT' button to quit.

Event.id: To set up to 15 events by pressing LEFT or RIGHT button.

Service: To select your desired service by pressing OK button.

Event.Type: To select Once/Daily/Weekly by pressing LEFT or RIGHT button.

Start Time: To input the start time in HH:MM mode by pressing the numeric buttons.

Start date: To input the start date in MM/DD/YYYY mode by pressing the numeric buttons.

Duration: To input the duration in Minutes mode by pressing the numeric buttons.

Purpose: To select Play/Record mode by pressing LEFT or RIGHT cursor button.

Status:
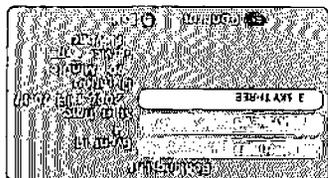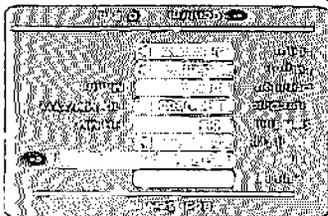
## HDD Extraction System

NOTE - Please make sure the PVR unit is disconnected from the power supply before removing the plastic cover for the HDD.

• Remove the plastic cover for the HDD casing, located on the underside of the unit, by moving this in the 'Open' direction.
• Once the cover has been removed, you will see the IDE connection for data and the 4pin Molex connection for power
• Check your Hard Drive and ensure the Jumper Settings are set to 'Master' (these instructions will be printed on the Hard Drive)
• Place the IDE cable into the relevant connection on the Hard Drive, the red coloured cable should fit in place, or on the ribbon will point toward the Molex power connector, then place the 4pin Molex connection for power into the relevant connection on the Hard Drive (again, this is tailored to fit in one way)
• Once the cables are connected, please carefully place the Hard Drive into the case
• Place the plastic cover onto the HDD casing and slide this back into position (using the 'Close' direction) until you hear a 'click' sound, which means this is in the correct position
• Connect the PVR to a power supply and power on.

OPEN
CLOSE
OPEN
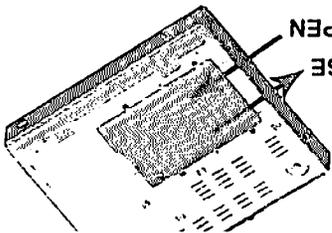
# SYSTEM SET-UP

## System Setting

Many aspects of your PVR can be set to reflect your circumstances and preference. The System Setting menu screen is accessed from main menu.

① Press "MENU" button to enter the main menu of the PVR.

② Press "OK" button to enter the System Setting window.

③ Press "UP" or "DOWN"button to highlight desired item and press "OK" button to enter the sub-menu.

④ Press "UP" or " DOWN" button to select desired option and press "LEFT"or"RIGHT"button to to select desired option.

⑤ Press "OK" button to confirm.

⑥ Press "EXIT" button to quit.
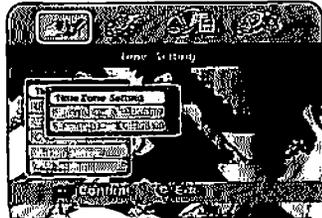
### Time Setting
The TimeZone Setting option allows the user to setup the desired Time Zone , Sleep Timer, Banner Time.

### Parental Setting
The default Pin Code is "888888",you can change it by entering the Change Pin Code menu. The parental setting allows the user to setup the Censorship.

### Factory Setting
You can view the system information, re-set the PVR back to default settings , clear all channels in this menu, see the platform information of the PVR and LCN Setting.

### Language Setting
The Language Setting option allows the user to select the desired language of the Menu ,audio .

### A/V Setting
Various A/V modes can be set in this menu, such as TV shape, conversion and TV standard,Video Output, Bright&contrastion and saturation.

### PVR Setting
PVR Setting option to set Time Shift function,Time Shift minutes, Minutes Add, Format Hard Disk and display some informations about HDD.

## Sort Channel

① Press "MENU" button to enter the main menu of the PVR.

② Press "LEFT"or"RIGHT" button to select the Channel Setting window and press"OK" to confirm.

③ Press "DOWN"button to highlight the Sort Channel and press "OK" button to enter the sub-menu.

④ Press "UP" or " DOWN" button to select desired option and press "OK"button to select desired option.

⑤ Press "EXIT" button to quit.
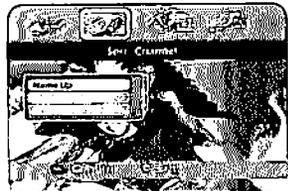
## Game

The Game contians the calender and teris. The Calender function allows to find the date forward /backward. The Tetris can be play by the guide.

① Press "MENU" button to enter the main menu of the PVR, press "OK" button to enter the Game window.

② Press "UP" or "DOWN"button to highlight desired item and press "OK" button to enter the sub-menu.
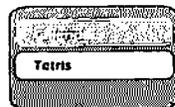
In some area the digital reception may be weak. This will cause you not to receive a complete channel list or have some interference/break-up of the picture. Ensure you use digital rated aerial and consider using a booster

| Problem | Possible cause | What to do |
|---|---|---|
| Standby light not lit | Mains lead unplugged<br>Mains fuse blown | Check mains lead<br>Check fuse |
| No signal found | Aerial is disconnected<br>Aerial is damaged/misaligned<br>Out of digital signal area | Check aerial lead<br>Check aerial<br>Check with dealer |
| No picture or sound | Tuned to digital teletext channel | Reduce to another channel |
| Scrambled channel message | Channel is scrambled | Select alternative channel |
| No response to remote control | Receiver off<br>Handset not aimed correctly<br>Front panel obstructed<br>Hand set batteries exhausted | Plug in and turn on plug<br>Aim handset at front panel<br>Check for obstructions<br>Replace handset batteries |
| Forgotten channel lock code | | Re-install channels to cancel channel lock |
| Forgotten menu lock code | | Contact help line |
| The remote control will not operate your PVR | (1) The batteries in your remote control need replacing<br>(2) There is an obstruction blocking the signal path between the remote control and the box. | (1) Replace the batteries<br>(2) Check that there is nothing in the way of the path between the remote control and the receiver |
| After moving the PVR to another room you find you are no longer able to receive digital reception | The aerial feed former new point may come through a distribution system which may reduce the digital signal now received by the box. | Try a direct feed from the antenna |
| Recording fail(There is a re-cording,but can't find the file in Recording list | Check if the two sets tuner are connected by the RF cable | Connect two sets tuner use RF cable. |
| After pausing,you can't watch TV program from stopped position. | (1) Timeshift recording disabled<br>(2) Your PVR is recording. | (1) Set timeshift recording to enable<br>(2) If you want to watch TV program from stopped position,please cancel the current any recording before pausing. |

| TUNER & CHANNEL | • RF INPUT CONNECTOR x2<br>(IEC-TYPE, IEC169-2, FEMALE)<br><br>• RF OUTPUT CONNECTOR x2<br>(IEC-TYPE, IEC169-2, MALE (LOOPTHROUGH))<br><br>• FREQUENCY RANGE:<br>174MHz ~230MHz (VHF) & 470MHz ~860MHz (UHF)<br><br>• SIGNAL LEVEL:<br>-20 ~ -78 dBm |
|---|---|
| **DECODER**<br>• TRANSPORT STREAM<br>• PROFILE LEVEL<br>• INPUT RATE<br>• VIDEO FORMATS<br>• Audio Format<br>• VIDEO OUTPUT | <br>MPEG-2 ISO/IEC 13818<br>MPEG-2 MAIN PROFILE @MAIN LEVEL<br>MAX. 15Mbit/s<br>4:3/16:9 SWITCHABLE<br>MPEG Layer I & II, 32 / 44.1 / 48KHz<br>CVBS, RGB(default) |
| **CONNECTION**<br>• MAIN POWER CABLE<br>• TUNER<br>• OUTPUT<br>• DATA PORT | <br>FIXED TYPE<br>ANTENNA INPUTx2, RF Loop through x2<br>SCART(TV) x1, SCART(VCR) x1, COAXIAL x1<br>RS-232 x1 |
| **POWER SUPPLY**<br>• INPUT VOLTAGE<br>• POWER CONSUMPTION | <br>AC 220-240V ~50/60Hz<br>MAX. 20W/STANDBY 9W |