**iPod, DVD & Digital TV Cube
LNX809i – User Guide**

ELONEX

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Safety Information

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

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

CLASS 1
LASER PRODUCT
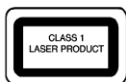
THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES. OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS: (1) THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE, AND (2) THIS DEVICE MUST ACCEPT ANY INTERFERENCE   RECEIVED. INCLUDING INTERFERENCE THAT MAY   CAUSE UNDESIRED

User Manual
1.   All the safety and operating instructions should be read before the product   is operated.
2.   Retain Instructions - The safety and operating instructions should be retained   for future reference.
3.   All warnings on the product and in the operating instructions should be adhered to.
4.   All operating and use instructions should be followed.

Laser
This Digital Video Disc Player employs a Laser System of the class 1.
1.   Make sure the device is shut down prior to opening player lid.
2.   Do not open the appliance. Do not attempt to dismantle the appliance.
3.   In order to avoid any danger: Have service work only carried out by the manufacturer or an authorized service workshop.
4.   Visible laser radiation when open and interlocks defeated.
5.   Use of controls or adjustments or performance of procedures other than   those specified herein may result in hazardous radiation exposure.

Operationi
1.   Playing of Video DVD or Video CD
2.   Playing of Audio-CD
3.   Reception of digital terrestrial channels (DVB-T)
4.   Listen FM Radio

Safety Information

Power Supply
1. Never touch the plug with wet hands.
2. If you want to pull the plug out of the plug socket, always pull directly on the plug. Never pull on the cable as it could tear.
3. Make sure that the power cable is not bent, caught or run over and that it does not come into contact with heat sources.
4. Make sure that the power cable is not wound around the device while in operation.
5. Never place the machine on the power cable while it is being operated.
6. Only use extension cables that are designed for the power consumption level of the machine.
7. Keep the appliance away from rain and any moisture.
8. Only operate the machine if the electrical voltage stated on the type plate beneath the machine agrees with the voltage on your plug socket. The wrong voltage can destroy the machine.
9. Do not stand vases etc. on the appliance. Water could seep into the appliance.
10. Do not open the appliance.
11. Pull out the mains plug if the appliance is not to be used over a longer period of time.
12. Take care that nobody can trip over the power supply cable.

Antenna
The device can be connected to an antenna.
1. Unplug the power cord cable from the mains outlet before connecting or disconnecting the DVB-T to/from the antenna, otherwise both might be damaged.
2. If an outside antenna or cable system is connected to the product, be sure the antenna or cable system is grounded so as to provide some protection against Voltage surges and built-up static charges.

Disc Compatibility
1. Depending on the conditions of the recording equipment or the CD-R/RW (or DVD - R, DVD +R, DVD -RW, DVD +RW) disc itself, some CD-R/RW (or DVD -R, DVD +R, DVD -RW, DVD +RW) discs cannot be played on the unit.
2. Do not attach any seal or label to either side (the labeled side or the recorded side) of a disc.
3. Do not use irregularly shaped CDs (e.g., Heart shaped or octagonal) since they may result in malfunctions.
4. Some playback operations of DVDs and Video CDs may be intentionally programmed by software manufacturers.   This unit plays DVDS and Video CDs
    according to disc content designed by the software manufacturer,
    therefore   some playback features may not be available or other functions may be added.

Safety Information

Operation and Position
1. During playback, the disc rotates very fast. Do not open or do not move the player during playback. Otherwise the disc can be damaged.
2. Do not connect accessories on the player which are not defined by the manufacture.
3. Do not place this product on an unstable cart, stand, tripod, bracket, or table. The product may fall, causing serious injury to a child or adult, and serious damage to the product. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the product.
4. Any mounting of the product should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer.
5. A product and cart combination should be moved with care. Quick stops, excessive force and uneven surfaces may cause the product and cart combination to overturn.
6. The player is able to show a still image on the TV screen or monitor over an unlimited period of time. This can cause damage to the screen. It is therefore advisable to activate the screen saver. Or switch the player off, if the device is not in use.
7. Do not use the player permanent in the 4:3 mode. This can cause damage to the screen.
8. Do not increase the volume when the player is just playing very quiet sections. This cold damage the speaker if very loud passages starts all of a sudden after the quiet section.
9. Place only CDs or DVDs into the tray.
10. Switch the player off by the Off/On switch if it is not going to used for a longer period of time.
11. Disconnect the main plug during thunderstorms.
12. Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the product and to protect it from overheating, and these openings must not be blocked or covered.
13. The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface.
14. This product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.
15. Protect the device against weather influences, moistures and high temperature.
16. Never spill liquid of any kind on the product.
17. Do not expose the device and the remote control to direct sunlight.

Safety Information

Defect

1. Servicing - Do not attempt to service this product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.
2. Damage Requiring Service - Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
    a. When the power-supply cord or plug is damaged.
    b. If liquid has been spilled, or objects have fallen into the product. c. If the product has been exposed to rain or water.
    d. If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to its normal operation.
    e. If the product has been dropped or damaged in any way, and
3. When the product exhibits a distinct change in performance   this indicates a need for service.
4. When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.
5. Please read in the section Troubleshooting our service address and phone number.

Macrovision

U.S. Patens Nos. 4,631,603; 4,577,216; 4,819,098; 4,907,093; 5,315,448 and 6,516,132
"This product incorporates copyright protection technology that is protected by U.S. patents and other intellectual property rights. Use of this copyright protection technology must be authorized by Macrovision, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision. Reverse engineering or disassembly is prohibited."

Dolby

Manufactured under license from Dolby Laboratories. "Dolby" and the double-D symbol are trademarks of Dolby Laboratories. Confidential Unpublished works. 1992-1997Dolby Laboratories, Inc. All rights reserved.

Accessories

When opening the package of this Portable-DVD player please make sure that the following accessories are included:

- The main unit
- Remote Control
- Batteries for the Remote Control
- Stereo Speaker Set
- Cable for the Speaker Set
- User Manual
- Warranty Card

Notes:
- If any item should be damaged or missing, please contact your dealer without delay.
- Keep the packaging materials, you may need them to transport your player in the future.
- Always transport or send the player in its original packing.
- Do not change or modify any components of the device or accessories.

Features

- MPEG-4 DVD Player
- 7 inch 16:9 TFT Display
- Powerful Stereo Speaker Set with 2x 20Watt
- USB connector on the front panel
- DVB-T TV Tuner
- FM Radio Tuner
- Phone jack on the front panel
- SCART with RGB video output
- RCA video output
- CVBS Video RCA jack
- S-Video out
- Coaxial digital audio out
- Stereo RCA Audio output
- iPod Audio input

Quick Start Guide

1. Connecting to an External Power Source. Connect the power adapter (supplied with the player) to the side input and to a wall outlet. Do not use any other device otherwise specified by your dealer.
2. the 7 inch display panel (Please refer No. 1).
3. Press the **POWER** button (Please refer No. 2).
4. Press the **PLAY** button to confirm the DVD-Part (Please refer No. 3).
5. Press the **OPEN/CLOSE** button on the top side of the unit (Please refer No.4).
6. Inserting a DVD disc (Please refer No. 5 - Disc Loader). Align the center of the DVD disc with the center of the disc guide. Then press the **OPEN/CLOSE** button again (Please refer No. 4).
7. Press the **PLAY** button on the top side. In general, the DVD already inserted into the player will start reading automatically.
8. The DVD player will immediately start rendering the DVD program. When you want to stop, press the **STOP** button on the remote control.
9. To power off the unit, press the Stand-By button on the remote control.
10. To power off completly, please press the **POWER** button (Please refer No. 2).

Control Elements
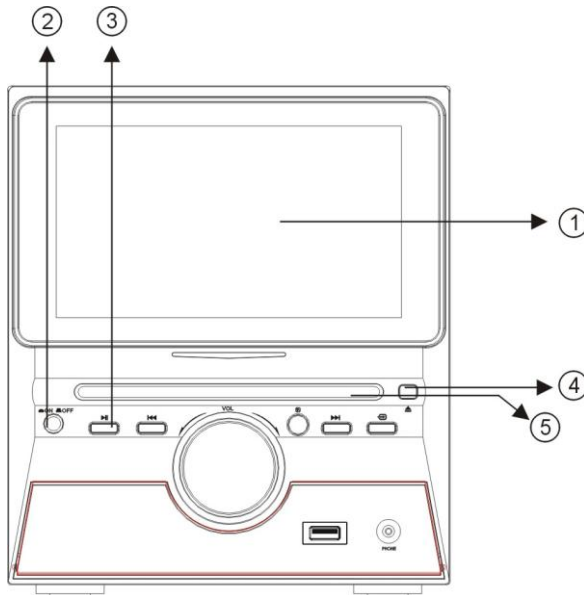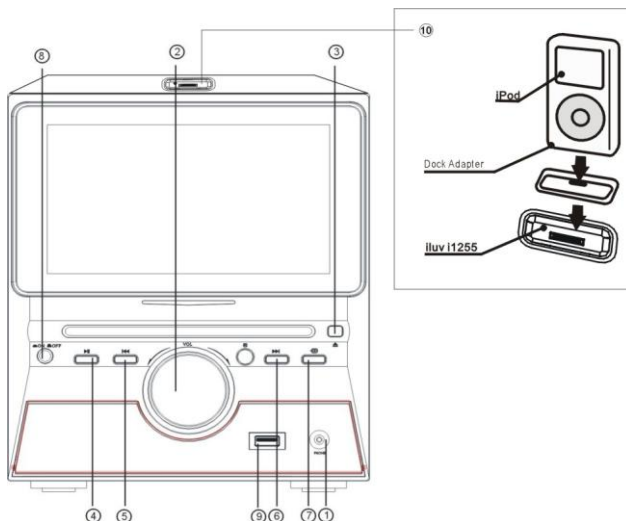
Elements of the Main Unit
1.   Phone jack
2.   Volume knob
3.   OPEN/CLOSE button
4.   PLAY/PAUSE button
5. |<< (Previous) button
6.   >>| (NEXT) button
7.   Input Source button
8.   POWER button
9.   USB Connector
10.   iPod Audio input

Notes:

☐   Use the Input Source button to select the proper input signal source. The sequence is DVD —>FM Radio. The DVD includes the source for DVB-T and USB.

☐   Before you plug the power cord into the AC outlet, please check to make sure that all of the connections have been properly completed. Plug the power cord carefully into the outlet.

☐   When the unit is initially powered, a brief surge of electricity may cause interference with other electronic equipment on the same circuit. If this occurs, connect the unit to an outlet on different circuit.

☐   For playback contents from USB, please use only USB flash RAM storages.

Control Elements

Rear Panel
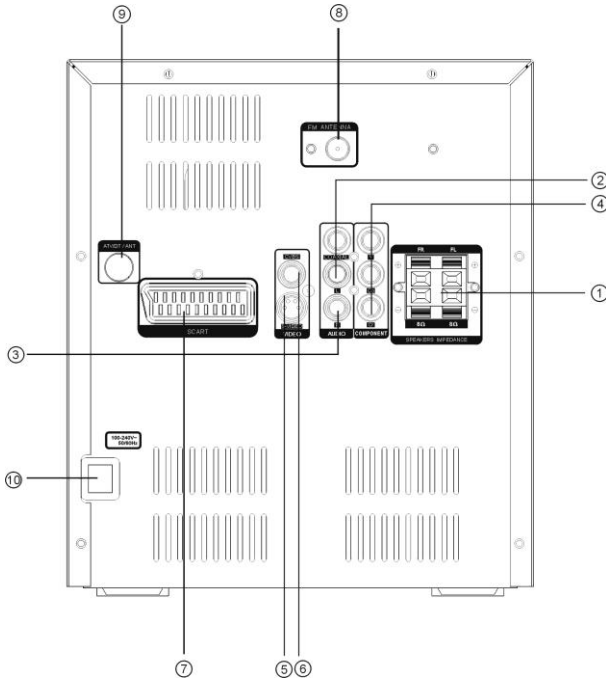
Elements of the rear side
1.   Terminals for Front Right and Front Left speaker set
2.   Coaxial RCA digital audio output
3.   Stereo RCA Audio output
4.   Components RCA Video output Y Cb Cr
5.   S-Video output
6.   CVBS RCA Video output
7.   SCART Video/Audio output
8.   FM Antenna jack
9.   DTV RF-Antenna jack
10.   Power Cord

Notes:

☐   For FM Radio, please use to connect the provides indoor loop antenna

☐   For DTV, please connect to an aerial o indoor antenna.

☐   Power Cord: Please be sure its prongs are dry before plug-in to an electrical outlet. Take caution not to overextend the cord or walk on it.
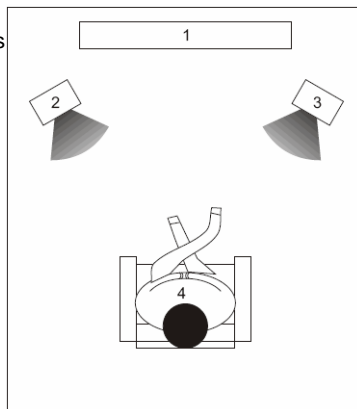
Connection

Connect the Speakers

Place the Speakers

For the best result, please arrange the two speakers as
shown in the following picture:

Align the speakers vertically at the ear level and at a
horizontally angle of 45 degrees to the primary
listening area.

1.   Position of the unit and the TV set.
2.   Left speaker
3.   Right speaker
4.   Position to enjoy sound and video

Connect the Speakers

1.   Please make sure, that the power is
        turned off and is not connected to the
        power outlet.
2.   Connect the speaker wires to the
        connectors on the rear side of the unit
3.   Press down the thumb levers   and
        insert fully each tip of the wire into the
        connector.   Than   release   the
        thumb levers to lock the wire in place.
4.   Please pay attention that the colours
        of the wire correspondent to the colour
        of the thumb levers on the speaker
        and on the player itself.
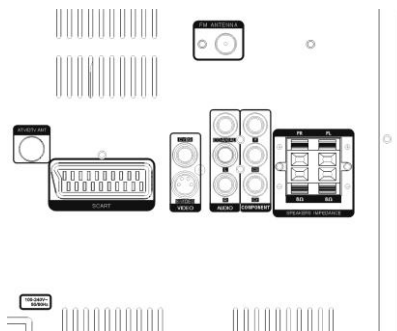
Notes:
☐   To prevent damage to circuits, do not
        Short-circuit the positive and negative
        speaker output jacks.
☐   Make sure the exposed tips of each
        Speaker wire is separated to the distance that they can not touch each other after they
        are inserted into the connectors.
☐   Do not connect any other speakers or devices that are not included with this system.
☐
☐
☐   13

Connection

Connect the Antenna

FM-Radio

Radio signals may be difficult to receive in some buildings and under certain conditions. The Provided antenna will help in their reception.   They are intended for indoor use only.

Indoor Antenna
The FM antenna should be fully extended and in a direction that provides the clearest signal.   Secure the antenna ends in a location where distortion is a minimum. If reception remains poor, an outdoor antenna may be necessary.

Connect the Antenna
1. Open cable terminal by pressing back on tab
2. Insert wire end
3. Release tab; make sure wire is in terminal securely.

DVB-T
The unit has integrated a DVB-T TV tuner. To receive the terrestrial broadcast, you need to connect the player with an antenna. The best case is to use the roof antenna. If your position is nearby the transmitters, than you can a passive or an active indoor aerial.
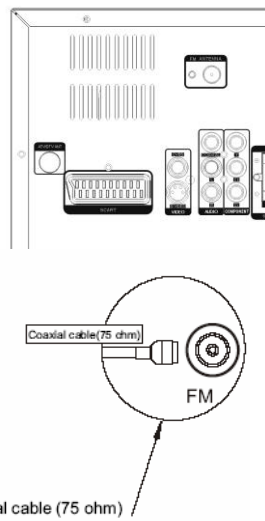
Please pay attention that you can receive the DVB-T in your area.

Connect the Antenna
1. Open cable terminal by pressing back on tab
2. Insert wire end
3. Release tab; make sure wire is in terminal securely.

Basic connection:

☐ Ensure that the power switches of this unit and other equipment to be connected, are turned off before commencing connection

☐ Read attentively the instructions before connecting other equipments

☐ Ensure that you observe the color-coding when connecting audio and video cords

☐ Please connect the unit with TV by only one kind of video output format, and setup a suitable output mode (including signal mode and signal code type), otherwise there will be image distortion.

Connection

The unit provides different ways to output video and audio signals. Please refer the below picture which shows the different Audio and Video outputs like CVBS, S-Video, SCART, Component, Stereo and Coaxial.
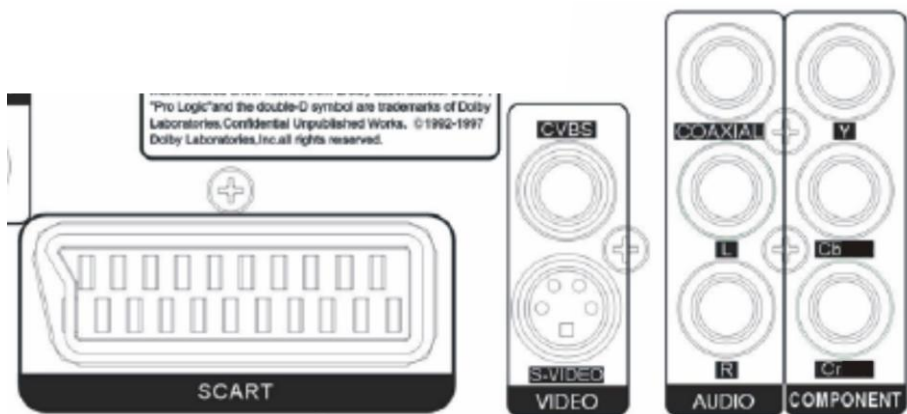
Connecting with a VIDEO (CVBS) cable
The video (CVBS) cable transmits the signals for brightness (Y-signal) and colour (C-signal) in a combined way. You should only use this connection if no other connection type can be used. Plug a cable into the VIDEO (CVBS) socket on the rear side of your DVD player. The other side of the cable must be connected to the VIDEO input socket of the TV-set (usually labeled "VIDEO IN" or "AV IN". Please also refer to your TV set's user manual). As VIDEO (CVBS) does not transmit sound; you also must add an audio connection.
Insert one end of the supplied audio (Cinch [RCA]) cable into the white/red Cinch [RCA] socket L/R AUDIO OUT at the back of the DVD player and the other end into the audio input socket (usually white/red) on the TV set (usually labeled "AUDIO IN" or "AV IN". Please also refer to your TV set's user manual)
Switch on the TV set and select the s-video input or the respective channel number. For channel number and input selection please also refer to your TV operating instructions.

Connecting with a SCART cable
The SCART or Euro AV cable serves as the universal connector for picture, sound and control signals. Plug a cable into the SCART socket at the back of the DVD player and the SCART IN socket on the rear side of the TV set. Please also refer to your TV set's user manual. Switch on the TV set and select the SCART input or the respective channel number. For channel number and input selection please also refer to your TV operating instructions.

Note:
The SCART interface of this DVD recorder is RGB enabled. In RGB mode, the picture quality is much better than in standard SCART mode. You can activate RGB mode on the video settings page of your DVD recorder. You only can use this mode if it is supported by your TV set. Otherwise, the use of RGB will result in wrong colour display. Please also refer to your TV set's user manual.

Connection

Video Output

Connecting with a S-Video cable
S-Video (S-VHS) cable transmits the signals for brightness (Y-signal) and colour (C-signal) separately. This connection type offers a better picture quality as CVBS or SCART connection. Plug a   cable into the s-video socket on the rear side of your DVD player. The other side of the cable must be connected to the s-video input socket of the TV-set (usually labeled "S-VIDEO IN" or "SVHS IN". Please also refer to your TV set's user manual). As s- video does not transmit sound, you also must add an audio connection. Insert one end of the supplied audio (Cinch [RCA]) cable into the white/red Cinch   [RCA]
Socket L/R AUDIO OUT at the back of the DVD player and the other end into the audio input socket (usually white/red) on the TV set (usually labeled "AUDIO IN" or "AV IN". Please also refer to your TV set's user manual). Switch on the TV set and select the s-video input or the respective channel number. For channel number and input selection please also refer to your TV operating instructions.

Connecting with a YUV (Y Cb Cr) cable
YUV (Y Cb Cr) is a transmission technology separating colour and brightness information in the signal. Similar to RGB, the signals are transmitted on a 3 wire cinch [RCA] cable. This way of transmission is also called "component". This connection offers best picture quality available with analogue signal transmission. Plug a cable into the Y Cb Cb socket on the rear side of your DVD player. You can recognize the sockets by their colours red, green and blue easily. The other side of the cable must be connected to the Y Cb Cb input socket of the TV-set (usually labeled, YCb Cb. Please also refer to your TV set's user manual). As YUV does not transmit sound, you also must add an audio connection. Insert one end of the supplied audio (Cinch [RCA]) cable into the white/red Cinch [RCA] socket L/R AUDIO OUT at the back of the DVD player and the other end into the audio input socket (Usually white/red) on the TV set (usually labeled "AUDIO IN" or "AV IN". Please also refer To your TV set's user manual). Switch on the TV set and select the YUV input or the respective channel number. For channel number and input selection please also refer to your TV operating instructions.

Notes:
- ☐ Make sure you observe the colours of the three sockets when you establish the connection. When the colours are connected in a wrong way, no picture or a picture with wrong colours will be displayed.
- ☐ By the video output of YUV with progressive scan, the device shut off the TFT screen. Additionally, no video signal is on the CVBS video output connector.

Connection

Audio Output

Coaxial Digital Output

This player contains a Dolby Digital or MPEG2 decoder. This enables the playback of DVD recorded in Dolby Digital, MPEG1/2 audio or linear PCM without an external decoder supports. When the player is connected to an AV amplifier with 5.1 channel input connectors, theatre quality audio could be enjoyed at your home at the time of playing disc recorded in Dolby digital, MPEG1/2 audio or linear PCM.

The "S/PDIF" specifications allow several different types of cables and connectors which must match the device being used. Key words for the electrical type are "coaxial" and "RCA

jack." The other type is called "optical" with the word "TOSLINK" often used.

Please connect the DVD-Player with the AV amplifier by coaxial cable which is normally marked in orange and use the orange RCA jack by the DVD-Player.

1.   Insert the audio plug into the orange socket on the rear side of the device, marked with the label "COAXIAL".
2.   Plug the Audio jack into the corresponding socket on your playback device or your amplifier.

Notes:

1.   The cable is not part of the accessories.
2.   Choose   right   audio setting for this player according to your audio   system requirement after connection is made.
3.   If   the   type   of   the   speaker   connected   does   not   satisfy   the   channels recorded   in   a
        MPEG-2 or Linear PCM disc, the disc will not be played in all channels but only in 2 channels (i.e. even if the front speakers and the centre speakers are connected, a disc recorded in 5.1 channels will be played only in 2 channels.

When DVD discs recorded in DOLBY digital, MPEG audio or other formats are played, corresponding bit stream is output from the player COAXIAL digital audio output connector. When the player is connected to an external decoder or a power amplifier, you can enjoy theatre-quality at your home.

Caution for the coaxial digital audio output connector:

Do not connect an amplifier with a Coaxial digital input connector which does not contain the Dolby digital or MPEG audio decoder otherwise it may be harmful to your ears and damage your speakers.

### *Stereo Analogue Output*

Insert one end of the audio (Cinch [RCA]) cable into the white/red Cinch [RCA] socket L/R AUDIO OUT at the back of the DVD player and the other end into the audio input socket (Usually white/red) on the amplifier set (usually labeled "AUX IN" or "Stereo IN". Please also refer to your Amplifier user manual). Switch on the Amplifier and select the AUX or Stereo input.

Remote Control

Insert batteries and Operation radius

☐   Insert the battery into the receptacle and insert the receptacle into the remote.

☐   For the best results, aim the remote towards at the player, screwing window. Stay Within 5 meter and angles of 60 degrees or less.

☐   Under normal use the battery will last for one year.

☐   Remove battery during storage or when you are not using the DVD player for a long time.
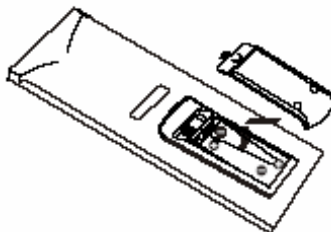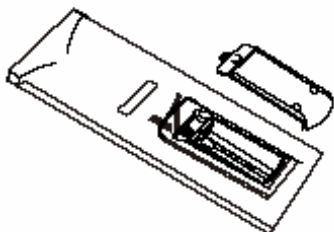
Notes:
1.   Weak batteries can leak and several damage by the remote control.
2.   Leaking out battery acid can damage your health.
3.   Remove the battery from the battery compartment as soon as it is exhausted or if the remote control is not going to be used for a longer period of time.
4.   Wipe up leaked out battery acid with a cloth.
5.   In case of skin contact immediately wash the affected area.
6.   Seek medical advice if battery acid has been swallowed. In case of contact with your eyes wash out the eyes and seek medical advice.

Remote Control

Buttons of the Remote Control:
1. Stand-By button
2. Mute button
3. TFT On/Off button
4. Numeric buttons
5. Video button
6. FM/Menu button
7. Up button
8. Right button
9. FUNCTION button
10. STOP button
11. PLAY button
12. CH+/CH– button
13. Fast Forward /FFW) button
14. Fast Reverse (FBW) button
15. A-B Segment button
16. RPT/FAV button
17. DISPLAY button
18. MENU button
19. ANGLE button
20. LANGUAGE button
21. Aspect Ratio (4:3/16:9) button
22. Right / Left (R/L) button
23. TV / Radio button
24. AUTO button
25. OPEN/CLOSE button
26. SOURCE button
27. DVD/DVB/USB/IPOD button
28. RETURN button
29. Left button
30. ENTER button
31. Down button
32. SETUP button
33. PAUSE/STEP button
34. VOLUME (VOL- / VOL+)
35. PREVIOUS (|<<) button
36. NEXT (>>|) button
37. ZOOM button
38. PROGRM button
39. GOTO button
40. TITLE button
41. SUBTITLE button
42. N/P button
43. RESUME button
44. SLOW button
45. EPG button
46. EXIT button
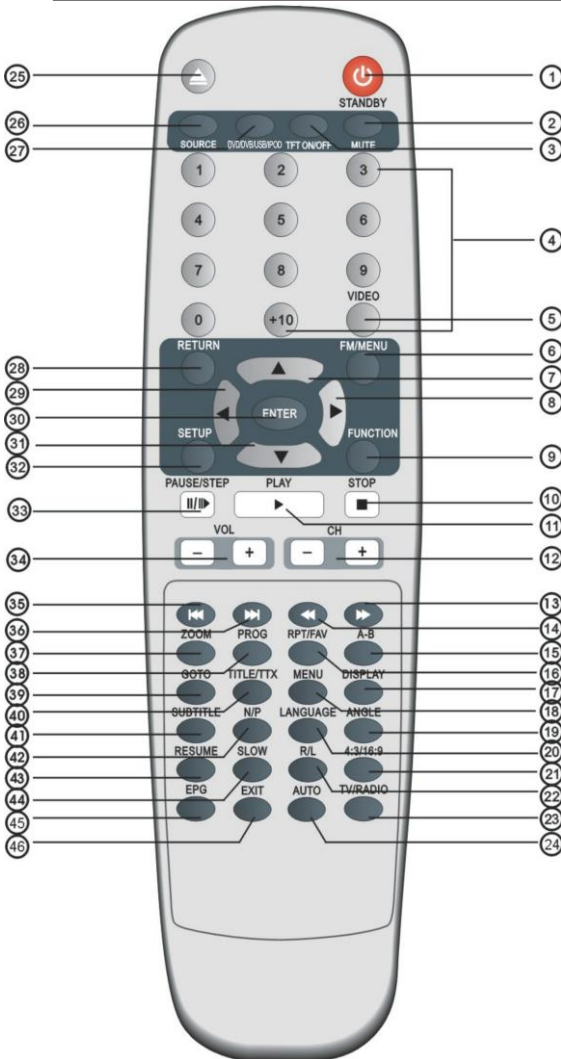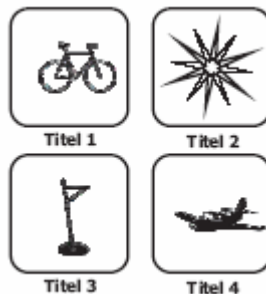
PLAYBACK

How to start playback from the MENU screen

1.   Press **TITLE** or **MENU** to access the menu screen.
2.   Press navigation or the number buttons to select the title.
3.   Press the ENTER or PLAY button.
4.   The DVD video player will start playback from the title selected.

Note:
☐   You also can input the assigned number of the title to select it directly.

A title is generally a distinct section of a DVD disc. For example the main feature could be title 1, a documentary describing how the film was made could be title 2, and cast interviews could be title 3. Each title is assigned a reference number enabling you to locate it easily.

How to stop playback ?

Press the STOP **button**.   The player is pre-stopped.   Two times pressing STOP and the player stops completly.

Fast Forward or Fast Backward

Press **<<** or **>>** during playback on the remote control and the unit changes the speed of playback. The playback speed becomes double the normal speed. The playback speed changes, each time you press the REV or FWD button.

Normal —> x2 —> x4 —> x8 —> x16 —> x32 —> Normal
Note:
The function is invalid on some DVD discs.

Chapter / Track

A chapter is a segment of a title such as a scene in a film or one interview in a series. Each chapter is assigned a chapter number, enabling you to locate the chapter you want. Depending on the disc, chapters may not be recorded.

When a title on a disc has more than one chapter **|<<** (SKIP or PREV) or **>>|** (SKIP or
NEXT) a disc has more than one track, you can move to another chapter/track as follows:
1.   Press SKIP or briefly during playback to select the next (or previous) chapter/track or to return to the beginning of the current chapter/track.
2.   Press SKIP twice briefly to step back to the previous chapter/track.
3.   To go directly to any chapter during DVD playback, input the chapter/track number.

PLAYBACK

How to change the camera angle?

Press the **ANGLE** button while playing back a scene recorded with multiple angles.
You may only press the ANGLE button when the angle icon is flashing on the DVD display.
Press the corresponding number of your desired angle.
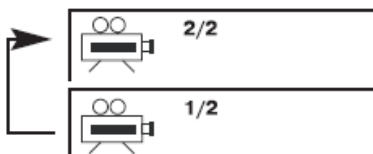
The angle function will not work on DVD video discs that does not contains recorded with multiple angles.

How to change the Audio languages?

Press the **AUDIO** button repeatedly during playback to hear a different audio channel.
By playback of a Video-DVD or a MPEG-4 file with multi-audio you can change the audio track respectively the audio languages.
By playback of a VCD you can change the different audio channel (Stereo, Left, or Right).

PBC (Playback Control)

Playback control is available for Video CD (VCD) version 2.0 disc formats. PBC allows you to interact with the system via menus, search functions, or other typical computer-like operations. Moreover, still pictures of high resolution can be played if they are included in the disc. Video CDs not equipped with PBC (Version 1.1) operate in the same way as audio CDs.
Please press the **MENU** button for activating or deactivating the PBC function by VCD.

PLAYBACK

REPEAT

You can play a title/chapter/all/track on a disc repeatedly. Press **REPEAT** during playback to select a desired repeat mode. Depend on the kind of disc (Video-DVD, VCD or Data files) you have different Repeat modes.

DVD Video Discs - "**Repeat Chapter / Title / All / Off**"
Chapter: repeats the current chapter. Chapter
Title: repeats the current title.
All : repeats all the tracks on a disc.
Off : does not play repeatedly.

Video CDs, MPEG-4, MPEG-1, MPEG-2, JPEG discs - "**Repeat Track / All / Off**"
Track : repeats the current track.
All : repeats all the tracks on a disc.
Off : does not play repeatedly.

Music disc - Track / Folder / All / Off
Track : repeats the current track.
Folder: repeats the current folder.
All : repeats all the tracks on a disc.
Off : does not play repeatedly.

Notes:
1.   On a Video CD with PBC, you must set PBC to Off to use the repeat function.
2.   If you press SKIP/NEXT (|<< or >>|) once during playback, the repeat function will be cancelled.

How-to Repeat a specific Segment

To repeat a specific segment you can use the A-B repeat function. The function   is   by pressing **A-B** available.

1.   Press the A-B button at the beginning of the segment in which you want to repeat playback (point A) (To be set SHIFT on).
2.   Press the A-B button again at the end of the segment (point B) The DVD video player will automatically return to point A and start to repeat playback of the selected segment (AB).
3.   Press the A-B button to cancel the A-B repeat function The DVD video player will resume to normal playback.

PLAYBACK

This DVD video player allows you to zoom into a picture as well as shift the zoom point.

Press **ZOOM** during normal playback. The player   magnifies in the center of the picture. If you press during zoom playback, the zoom point shifts.
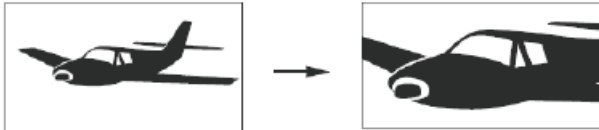

Pressing more than one time the ZOOM button the Zoom function changes in the following sequences´: Normal —> x2 —> x4 —> Normal

Note:
Zoom may not work on some disc.

Checking the operational status

This unit allows you to view the operational status and disc information on your screen by pressing the **DISPLAY** button. With this function you can view on your screen the following by a Video-DVD:
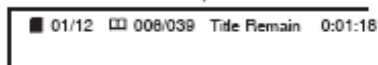
☐   Title Information, for example the 1st title of 12 is active

☐   Chapter number, for example the 6th chapter of 39 is in playback

☐   Time information for title and chapter are displayed when the

DISPLAY button is
          pressed again (Title Elapsed, Title Remain, Chapter Elapsed, Chapter Remain)

☐   The last information shows besides the title, chapter and time the following additional
          information like the active language (here English), which audio format (here AC3 2
          CH), which TV system (here NTSC) and if the angle option is available.
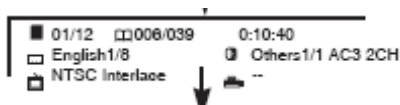
Volume Control

1.   Change the volume by using the right and left button on the remote control.
2.   Change by the big volume knob on the front side of the unit.

PLAYBACK

This function allow you to setup the order you want to play. During playing, set the NAVIGATION to off, then press **PROG**, the program menu will display.

Press number button or to set the order you want, then press ARROW buttons the unit will play the titles as the titles as the order you setup.

Note:
You can select less than 20 titles. Press **PROG**, the programme menu will display.

```
PROGRAM                    Title      Chapter
  1. ─────────              ──          ──
  2. ─────────
  3. ─────────              01
  4. ─────────              02
  5. ─────────              03
  6. ─────────              04
  7. ─────────              05
        ▼
  ◄] [↑] [↓] [→] :Select  [▶]:Play  [■]:Clear
```

Search or Go To

The on-screen menu enables comfortable access to any sections of a medium. To do this, proceed as follows:
1.   Select the desired category by repeatedly pressing the button **GOTO**-button.
2.   Now move to the point from which the replay should start. Depending on the type of medium this may be a track number, a chapter or even a point in time. The input must be made with the Numerical Buttons. Playback begins after a short time.

Selecting Subtitles

You have the option to select a preferred subtitle from those included on the DVD video disc by pressing the **SUBTITLE** button.

☐   Press the SUB-T button during playback.
☐   Press the SUB-T button during playback until the subtitles disappears.

By using the subtitle function in MPEG-4 video in combination of SRT subtitles,   the filenames should be in this way:
☐   Movie.avi
☐   Movie.eng.srt
☐   Movie.ger.srt

PLAYBACK

Playing in SLOW-Motion

A disc can also be played back in slow-motion. Press the **SLOW** button during playback The playback speed becomes 1/2, 1/4, 1/8, 1/16 or 1/32 of the normal speed each time you press the SLOW button.

Notes:

☐   During REV, FWD and slow-motion playback, the sound is muted.

☐   The function is invalid on some DVD discs.

Changing the Aspect Ratio

Sometimes it is necessary to change the aspect ratio, especially if you use the 7 inch LCD Screen for watching video content. If you think, that the content is not scaled correctly, maybe every heads of the people are stretched or are compressed than you can change the distorted viewing by pressing the **4:3/16:9** button.

Resume function

It will continue to play from where it stopped after pressing the **RESUME** Button says memory playing

Mute

You can mute the unit by pressing the **MUTE** button. The sound switches off. A sign will be displayed on the screen. To activate the sound, press again the **MUTE** button.

Switch the Screen on/off

If you not need the 7 inch LC screen of the unit, because you are connected to a TV screen or you listen just only Music, you could switch off the screen by pressing the **TFT ON/ OFF** button. To activate the screen, press this button again.

PLAYBACK

Playing Back Your Picture CD or JPEG files

You can use your DVD player to view photographs stopped on a CD-R. the photographs on the disc need to be saved in the jpeg file format.
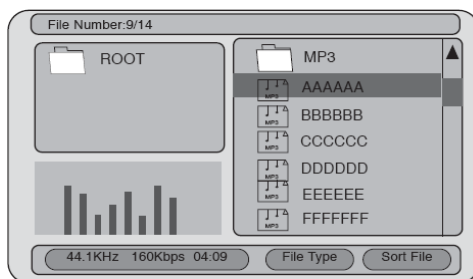
1. **Place the CD on the disc tray.**
2. **Select a folder or a picture contained on the CD.** After the CD is loaded, a menu will appear on the screen. Press UP or DOWN to select a folder, and pres ENTER/ PLAY to view folder contents
3. **Start playback** When a JPEG CD is loaded, an automated slide show is launched, Each picture in the current directory will be displayed consecutively in a slide-show fashion and will be scaled to fit most of the screen. Press "**STOP**", you can see twenty slideshow transition modes are provided. The pictures will be displayed in a
    style of a slideshow, there are many styles of transition effects such as Cover Up, Cover Down, Cover Left, Cover Right, UnCover Up, UnCover Down, UnCover Left, UnCover Right, Wipe Up, Wipe Down, Wipe Left, Wipe Right, Push Up, Push Down, Push Left, Push Right, Random, No Effect etc., use the **ANGLE** button to change the slide style.
4. **Rotate an image** During the slide show, you can use arrow keys to rotate an image:
☐   Press left to rotate the picture to left for 90°
☐   Press right to rotate the picture to right for 90°
☐   Press UP, the left side of the picture will turn to right.
1   Press down, the picture will be upside down.
5. **Zoom** This feature allows you to view a picture at 25%, 50%, 100%, 150% or 200% in several increments. Press the **ZOOM** button. An on screen message ("**Zoom On**") will verify your selection. Use narrow keys to control the amount of zoom in and out. Press the direction keys to shift the zoom point. With **Zoom Off**, the picture is scaled to fit most of your TV screen.
6. **Menu** During the playback, press MENU to access thumbnail menu. For previewing JPEG files, press MENU, a menu will appear on the screen. Press UP or DOWN to select a folder, and press ENTER/PLAY to view folder contents (shown in left column as below).

26
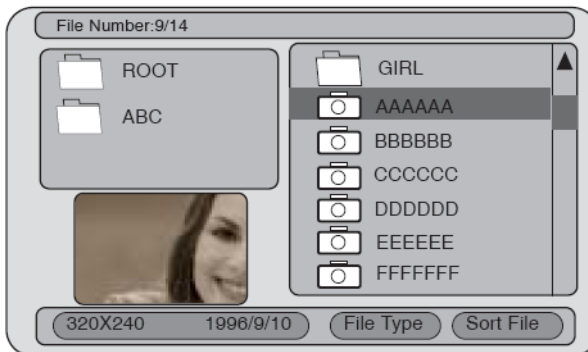
PLAYBACK

PLAYING Music with compressed Audio-Formats

1.   Insert   an   CD   with   compressed   music   files,   the   DVD   player   will initialize   the   disc when   the   tray   is   closed   and   the   directory   (folder) will   be   shown   in   an   MENU   on screen.
2.   Press **UP/DOWN** to select and highlight a file (song).
3.   Press **ENTER** to play the file.

```
┌─────────────────────────────────────────────┐
│  File Number:9/14                             │
│  ┌────────────┐         ┌──────────────┐  ▲  │
│  │ 📁  ROOT    │         │ 📁  MP3       │     │
│  │            │         │ ♫ AAAAAA      │     │
│  │            │         │ ♫ BBBBBB      │     │
│  │            │         │ ♫ CCCCCC      │     │
│  │  ▁▁▁▁▁     │         │ ♫ DDDDDD      │     │
│  │  █ █ █ █   │         │ ♫ EEEEEE      │     │
│  │  █ █ █ █   │         │ ♫ FFFFFFF     │  ▼  │
│  ┌─────────────────────┐ ┌──────────┐ ┌──────┐│
│  │ 44.1KHz  160Kbps 04:09│ │File Type│ │Sort File││
│  └─────────────────────┘ └──────────┘ └──────┘│
└─────────────────────────────────────────────┘
```

Playback Content from USB

This unit have a USB jack, when no disc in the player, you can insert a USB DISC or an Mp3 Player with USB Interface to play the Mp3 music or and JPEG files. All the function is the same to play a disc.

Plug the USB Flash Stick to the USB connector and press the **DVD/ USB/DVB** button to activate the selection menu of DVD, USB   and DVB. Move with the **UP** and **DOWN** button to the USB area and start them by pressing the **ENTER** button.

The unit start to read the table of content (TOC) of the storage and displays the results into the file browser. By using the navigation buttons you can choose the content which you want to playback and start the playback by pressing the **ENTER** button.

Note:
To avoid damage, do not pull out the USB when you playback the files in the USB. If you want to pull out the USB, please press STOP button first.

SETUP DVD

For entering into the players settings, please press the **SETUP** button of the remote control. For choosing the different option and different sub menus please uses the navigation buttons. If you have selected a submenu, press **ENTER** to activate them. After the first pressing of the **SETUP** button you entering the Main Menu.

Note:
In the DVD setup and System setting options. If you press SETUP into the DVD setup and System setting option when playing disc, the some options has no effect.

Main Menu
The Main Menu includes settings for DVD, DVB, System and some Games.
If you had activated from the DVD the setup function, than the DVB settings are not
active. Similar by starting the settings from DVB-T, the setup for DVD is not active.

Choose the DVD Setup and press **ENTER** for come into the DVD settings.

DVD Setup
On the left side you can see three main setup settings, like Language, Audio and Custom settings. The yellow framed field shows the activate settings.

Language
In the DVD Setup-language Setup, you can setup the Menu, Audio, Subtitle, External Subtitle. Press the **UP**, **DOWN** and **LEFT**, **RIGHT** arrow buttons to highlight the icon of the desired page, then press the **DOWN** or **RIGHT** arrow button to activate that page.

By the different categories *Menu*, *Audio* and *Subtitle* you can set the prefer languages for the playback of a Video-DVD.

Note:
If your preferred language is not available, the disc default languages will be played.

SETUP DVD

External Subtitle

If you want to playback MPEG-4 video files with external subtitles you can choose which kind of special characters are displayed. For English, French, German or Spanish external subtitle, please choose the option "Western

European". For Russian you need the option "Cyrillic" and for subtitles for Poland, Czech or Slovenia you should choose the option "Central European.

Audio Setup

In the DVD setup-Audio Setup, you can setup the Digital Out, Analog Out, Downmix, Center, Rear. Press <UP>, <DOWN>   and <LEFT>, <RIGHT> arrow buttons to highlight the icon of the desired page, then press the <DOWN> or <RIGHT> arrow button to activate that page.   For example, if you want to setup the Rear setup, press <DOWN> button to highlight the Rear Option, the Rear setup page will be displayed on the screen.
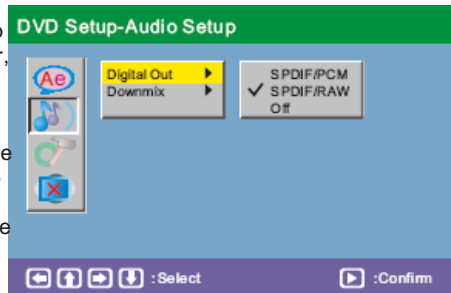
Digital Out

Here you specify the settings for the digital Audio output.

SPDIF/Off: Output of an analogue Audio signal, but no digital signal.

SPDIF/RAW: Output of a digital Audio signal. Use this setting if your amplifier is no two-channel stereo amplifier.

SPDIF/PCM: Output of a digital Audio signal that is converted to a 2-channel signal. Use this setting if your amplifier is a two-channel stereo amplifier.

Note:

If there is no audio output, even though you connected the player to an amplifier, you will most likely have chosen an incorrect setting for the Audio output.

Downmix

This option allows you to set the stereo analogue output of your DVD Player.

LT/RT: Select this option if your DVD Player is connected to a Dolby Pro Logic decoder.

Lo/Ro   (Stereo):   Select this option when output delivers sound from only the two front speakers.

SETUP DVD

Custom Setup

In the DVD setup-Custom Setup ,you can setup the Parental Ctrl and Angle Mark. Press the **UP**, **DOWN** and **LEFT**, **RIGHT** arrow buttons to highlight the icon of the desired page, then press the **DOWN** or **RIGHT** arrow button to activate that page. For example, if you want to setup the Angle Mark setup, press **DOWN** button to highlight the Angle Mark Option, the Angel Mark setup page will be displayed on the screen.
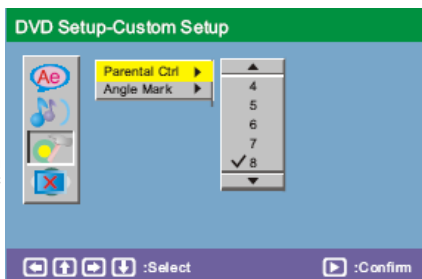
Parental Control

The parental control has eight levels to set:

☐   **1** - Kids material. Recommended especially for children and viewers of all ages.

☐   **2:G** - General Audience. Recommended as acceptable for viewers of all ages.

☐   **3:PG** - Parental Guidance suggested.

☐   **4:PG13** - Material is unsuitable for children under age 13.

☐   **5:PG and 6:R** - Parental Guidance-Restricted. Recommended that parents restrict

          children under 17 from viewing or allow to view only when supervised by a parent or adult guardian.

☐   **7:NC17** - No children under age 17. Not recommended viewing for children under age 17.

☐   **8** - Mature material. Should be viewed only by adults due to graphic sexual material, violence or language.

If you want to change the parental ctrl setting, enter the user's age control item and then enter our digital password. The default password is 6666 (if you are using this player for the first time, just input this code). If the input code has been confirmed, the level setting up menu will appear. Move the cursor to choose the expected level and press **ENTER** button to confirm and memory it. Move the cursor to the "ENTER" and press **ENTER** button to confirm and withdraw to the user setup menu or press **ENTER** button to directly with draw from the operation.

ANGLE MARK

There are On and Off the two choices for this item. If in the ON mode, when play a disc which the content is multi-angle shot, you may press the **ANGLE** button on the remote control to enjoy the scene in different angles.

SYSTEM SETUP

System Setting

The System settings are general setting which are valid for DVD, USB and DVB. In principle, all settings between DVD and USB are the same.

Please navigate in the main menu by using the **UP** and **DOW**N button to the System Setting and activate the submenu by pressing the **ENTER** button.

Than you entering the system setting of the unit. On the left side are ordered the main categories like OSD, Display and Preferences.

OSD

You can select your own preferred language settings. This DVD system will automatically switch to the selected language whenever you load a disc. If the language selected is not available on the disc, the disc's default language will be used instead. The OSD language in the system menu will remain once selected.

Display Setup

In the main menu "Display Setup" you can modify the settings for TV Standard, Display Type, Video Output, Brightness and Contrast.

TV Standard

Selecting the colour system that corresponds to your TV when AV outputs. This DVD Player is compatible with both NTSC and PAL. In order for a DVD disc to play on this Player, the colour system of the Disc, the TV and the DVD Player should match.
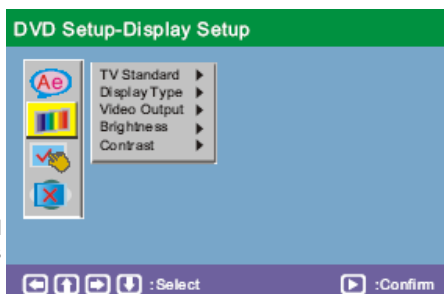
PAL - Select this if the connected TV is PAL system. It   will change the video signal of a NTSC disc and output in PAL format.

NTSC-Select this if the connected TV is NTSC system. It will change the video signal of a PAL disc and output in NTSC format.

SYSTEM SETUP

Display Type
Set the aspect ratio of the DVD Player according to the TV you have connected.
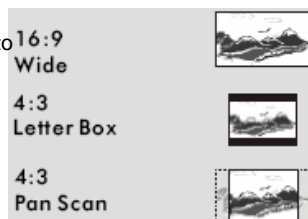
4:3 PS
If you have a normal TV and want both sides of the picture to be trimmed or formatted to fit your TV screen.

4:3 LB
If you have a normal TV. In this case , a wide picture with black   bands on the upper and lower portions of the TV screen will be displayed.
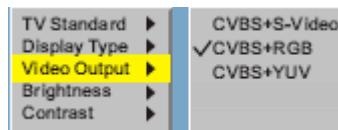
16:9
If you have a wide-screen TV.

Video Output
According to the kind of connection to you r external screen (TV), you can choose the video output settings.

CVBS+S-VIDEO
Please use this setting   by using CVBS or S-Video connection to your TV set. If you connect the TV by SCART and the SCART input is not compatible to RGB, you should also uses this setting.

CVBS+RGB
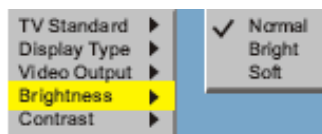Please use this setting if you had the TV connected by SCART and the SCART input of the TV is compatible to SCART RGB.

CVBS+YUV
Please use this setting, when you had connected the TV set by component cable and you want to display an interlaced signal.
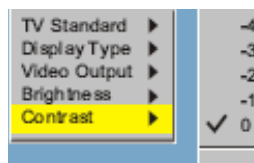
Brightness
According to the brightness you can choose Normal, Bright and Soft.

Contrast
Use the UP and DOWN button to move the scroll and adjust the contrast.

SYSTEM SETUP

Preference

In the System Setting Menu-Preference Setup, you can setup the UI Style, Change PIN, Default Type, and Default options. Press the **UP**, **DOWN** and **LEFT**, **RIGHT** arrow buttons to highlight the icon of the desired page, then press the **DOWN** or **RIGHT** arrow button to activate that page. For example, if you want to setup the Default setup, press Down button to highlight the Default Option, the Default setup page will be displayed on the screen.
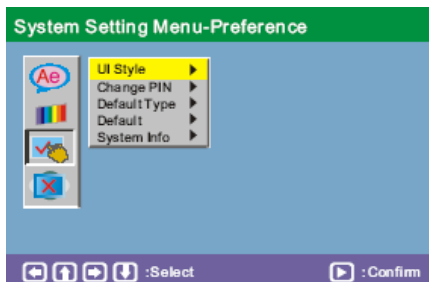
UI Style

With this option you can change the outlook of the settings.

Change PIN

In this option you can change the old password to a new one. After entering the option „Change PIN" you see a new window. Here you have to be insert the old PIN, the new PIN and confirm the new PIN. To change to the new PIN, you have to be navigate to the „OK" field and confirm by pressing the **ENTER** button.
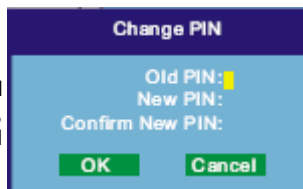
Note:
The default password is: 6666

Default Type

In the Default Type options, you can choose the DVD MODE, USB MODE, User Select MODE and Last operation Type MODE.
.

Note:
In the Default Type, If you choose the DVB MODE. That next power on the PLAYER will direct enter DVB MODE, no again display the SOURCE list.

Default

This option restores the device with the Factory Settings. After activate the Factory Setting the player work on default state.

SYSTEM SETUP

Game

Please navigate in the main menu by using the **UP** and **DOW**N button to the Game and Activate the submenu by pressing the **ENTER** button.

Here you can play four different games, Tetris, Mine, Rush Hour and Calendar.

Main Menu

- Mine
- Tetris
- Rush Hour
- Calendar
- Exit

:Select   :Confirm

Troubleshooting DVD

Symptom	Correction
No power	☐ Check if AC adapter of power is connected securely. ☐ Switch the device On by pressing the power button.
No sound	☐ Ensure that the equipment is connected properly ☐ Ensure that the input settings for the TV and stereo system are proper. ☐ Please make sure, that the audio track exists on the disc. ☐ Control the volume.
No key operation	☐ Turn the unit off and then back to on. ☐ Disconnect the unit from power and from battery and connect them again.
No playback	☐ Wrong disc, please use only DVD, CD or ISO Data disc ☐ The disc may be dirty and require cleaning. ☐ Ensure that the disc is installed with the label side up. ☐ The disc has too many scratches. ☐ Remove the laser pickup protection on the disc tray. ☐ The DVD+/-RW should be finalized. ☐ Wrong region code by the Video-DVD ☐ Cancel the parental lock function or change the parental lock level. ☐ Check TV type is correct: PAL/NTSC.
Interference or scrolling	☐ Adjust the vertical hold on your TV.
No remote control	☐ Are the polarities of the batteries correct? ☐ Batteries are depleted. Please uses new one. ☐ Point the remote control unit at the Infrared sensor and operate. ☐ Remove the obstacles between the remote control and The Infared sensor ☐ Operate the remote control unit at a distance of not more than 5 meters from the Infrared sensor.

DVB-T

Please press the DVD/USB/DVB button on the remote control to appear the menu, where you can change to DVB. Navigate with the UP or DOWN button the DVB and activate DVB by pressing the ENTER button.

If you use DVB-T the first time, than the system entered to the First Time Installation.

First Time Installation

After all the connections have been made properly, switch on your TV. Make sure the receiver is connected to the mains and press <POWER> to switch the receiver on. If you are using the receiver for the first time, a **First Time Installation** menu will be displayed to guide you through the initial setup. Use the remote controller to finish the setup.

At the **First time installation** menu, select "YES" and press **ENTER** button on the remote controller to proceed.

Enter your regional settings, include your Country, Language, Time Zone.

Please change the country settings in order to your active country.

Then select "NEXT" to proceed.
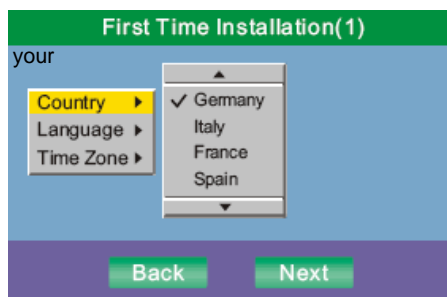
Please navigate to "YES" and confirm by pressing the ENTER button. Than the Auto search starts.

Note:
The previous channel list will be deleted and replaced by the new one.
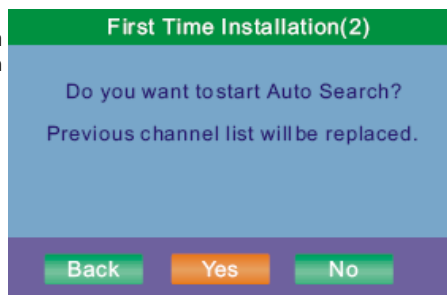
DVB-T

In case you want to stop the scanning, press the RETURN **button**. The channels already found will still be stored. When finished, all active channels found will be stored automatically. The last found channel will be played.

DVB Menu-Program Searh-Automatic

Progress		TV List	Music List
Channel No			
Frequency			

Exit Save & Exit

DVB-T Functions

EPG
The built-in DVB-T receiver has an electronic programme magazine. This makes it possible to depict the information of the individual channels on the screen. You can acquire an overview of the programmes that are currently being transmitted or the programmes of the day.
The EPG Function allows you:

☐   Press the EPG button

☐   to show information on programme content on the screen.

☐   to highlight programmes for which a reminder window is automatically shown at the beginning of the programme.

Videotext
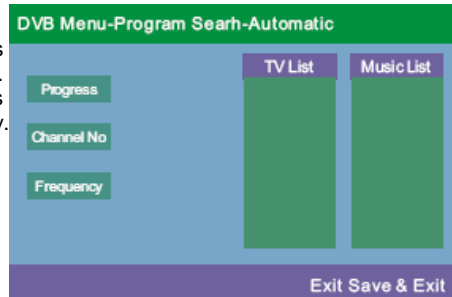Press the **TITLE**-button to call up the teletext function. Enter the desired teletext page with the help of the numerical buttons. The number you have entered is shown in the top left-hand corner of the screen. After you have entered the desired teletext page number your
television set searches for the page. As the teletext pages cannot all be transmitted at the same time it may take a few seconds until your set has found the page.

In order to turn off the videotext, press the **TITLE** button again.

Number buttons
For DVB mode, use the number buttons **0** to **9** to directly input a two-digit channel number. The **10+** key has no effect in this mode.

TV/RADIO
In DVB mode, press **TV/RADIO** to switch between television and radio mode (not in all countries).

DVB-T

DVB-T Functions

AutoScan
With the **AUTO** button you get direct access to the AutoScan.

Information
By pressing the **DISPLAY** button you can display different information like TV channel name, frequency, bandwidth, which PID has the Audio and Video, signal quality and signal strength.

ENTER
Über die Taste **ENTER** geben Sie im Menü einen ausgewählten Menüpunkt ein.

Language
In DVB mode, use this button to select different languages for the current channel.

Subtitle
By pressing the **Subtitle** button you can activate the subtitle. Please note, that not all TV channel and countries transmit subtitle information.

Channel list
By pressing the menu button you get direct access to the TV channel list.

SETUP DVB-T

Program List

Press the **SETUP** button, the DVB main setup menu appears the screen, then press the **DOWN** button to highlight the DVB Menu option.

Press the **UP** and **DOWN** button move on the DVB Menu and to enter button to enter the DVB Menu-Program list option, appear the screen.

Main Menu

- DVD Setup
- DVB Menu
- System Setting
- Game
- Exit

⬅️⬆️➡️⬇️ :Select   ▶️ :Confirm

Program List
In the Program list, you can setup the TV Program, Music Program and Sort options. Press the **UP**, **DOWN** and **LEFT**, **RIGHT** arrow buttons to highlight the icon of the desired page, then press the **DOWN** or **RIGHT arrow** button to activate that page. For example, if you want to setup the Sort setup, press **DOWN** button to highlight the Sort Option, the Sort menu page will be displayed on the screen.

DVB Menu-Program List

TV Program
Music Program
Sort ▶

⬅️⬆️➡️⬇️ :Select   ▶️ :Confirm

TV Program
All active channels are listed in the **Program List, allowing** you to make your own favourite channel group, move, delete channels.

Creating Favourite Channel Groups
This feature allows you to group your favourite channels. To create your favourite groups:
a.   Select the channel which you would like to add to the group and go to the
     "Favour" column.
b.   When the "Favour" column of the desired channel is highlighted, one red heart symbol will appear after press the **ENTER** button. Pressing the <ENTER> button again will un- select the channel of the favourite group.

DVB Menu-Program List-Program EditTable

No.	Program Name	Favor	Move	Del
1	Ideal World			
2	UKTV Br'tldeas	♥		
3	TMF	♥		
4	The HITS			

⬅️⬆️➡️⬇️ :Select   ▶️ :Confirm   Exit: Save & Exit

c.   Once your favourite group is created, you can press the **FAVORITE** keys to quickly access your favourite channels.
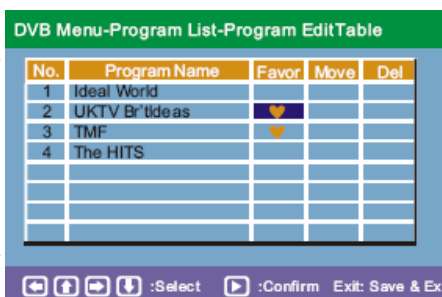
SETUP DVB-T

Program List

Moving a Channel
a.   Select the channel which you like to move and go to the "*Move*" column.
b.   Press **ENTER** button and a ¡¡ symbol will be displayed.
c.   Use the **UP** / **DOWN** key to move the channel to a desired position.
d.   Press **ENTER** button again will be exit the moving channel mode.

Deleting a Channel
a.   Select the channel which you like to delete and go to the "*Del*" column.
b.   Press **ENTER** button and an **X** symbol will be displayed. Repeat this step in the channel to be deleted.
c.   Press **SETUP** or **RETURN** button and the marked channel will be deleted.
d.   Press **ENTER** button again will exit the deleting channel mode.

Music Program
The Music program options are the same like the TV Program options.

Sort
Press the **DOWN** button to highlight the Sort options, yon can choose the channels Sort style. As:
☐   By Name
☐   By Service ID
     By Channel number

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SETUP DVB-T

Program Search

Press the **SETUP** button,   the   DVB main setup menu appears the screen, then press   the **DOWN** button to highlight the DVB Menu option.

Press the **UP** and **DOWN** button move on the DVB Menu and to enter button to enter   the Program Search option, appear the screen.

Program Search
Two   options   are available, Automatic and Manual Search.

Automatic Search
The operation is the same like the First Time Installation. Please refer this section of the user manual.

If you   want   to start the Automatic Search you   should confirm   by pressing   the   **ENTER**   button on the "OK" field. Please the picture on the right side.
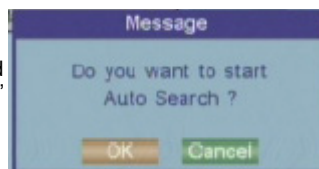
Manual Search
If any channel is missing after auto search, or you want to add newly   launched   channels, You can use "Manual Search" to scan the desired channels. To manually   search   the target   channel,   you   must   know   its parameters, e.g., the channel number.
After the channel is found, it is appended to the current channel list.
a.   Enter the "Manual Search" menu via "*Main Menu   >   Program Search   > Manual Search*".
b.   Specify   the   appropriate   channel number   in   the   "*Channel No*" field   by   press   **DOWN**   and   **UP** button.   Enter   your selection, the frequency and bandwidth values are changed accordingly.
c.   Select **ENTER** button to start manual search.
d.   If no signal is found, a message indicating no signal will appear. Otherwise scanned channel will be saved and appended to the current channel list.
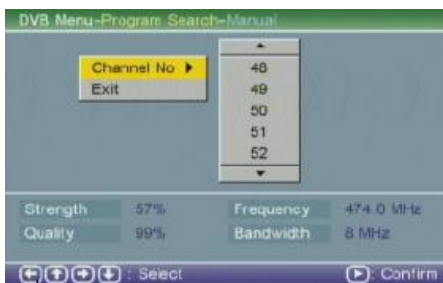
SETUP DVB-T

Parental Control

Press the **SETUP** button, the DVB main setup menu appears the screen, then press the
DOWN button to highlight the DVB Menu option.

Press the **UP** and **DOWN** button move on the DVB Menu and to enter button to enter the Parental Control option, appear the screen.

Following submenus are available, Channel Lock and Parental Control.

Parental Control
This feature allows you to prevent children or unauthorized people from watching channels.

Enter "*Main Menu > Parental Control"*. First, you will need to enter PIN as prompted   to use the parental control menu.

Note:
The default PIN is 6666.

After correct PIN input, you can activate the "*Channel Lock*" by confirmation YES.
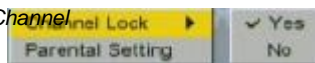
Channel Lock
Allows you to activate or de-activate the overall parental control. When set to "*YES"*,   all the channels with locking settings will be locked.

Parental Setting
In the channel list, select the channel you want to lock and then press **ENTER**.   A padlock symbol will be displayed. To remove the lock, press **ENTER** again.

No.	Program Name	Lock
1	DIMO	
2	FTV	🔒
3	FMTV	
4	FTVN	
5	TTV-1	
6	TTV-2	
7	HAKKA	
8	CTS	
9	CTS-IQ	
10	CTS-EQ	

SETUP DVB-T

System Settings

Press the **SETUP** button, the DVB main setup menu appears the screen, then press the
DOWN button to highlight the DVB Menu option.

Press the **UP** and **DOWN** button move on the DVB Menu and to enter button to enter the System Settings option, appear the screen.

The different submenus are:
- ☐ Country
- ☐ Language
- ☐ GMT Usage
- ☐ Time Zone
- ☐ System Schedule
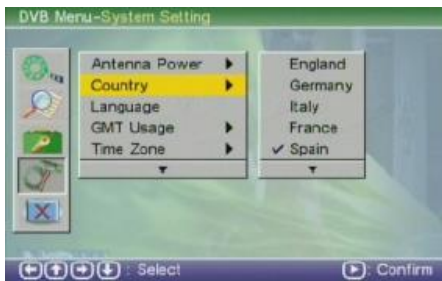
Country
Please choose the country in which the device is placed. This setting has a direct influence of the channel search.

Language
Please choose the Audio and subtitle language.
Navigate to the option "Language" and activate them by pressing the ENTER button. You see a new submenu, where you can choose the first Audio and second Audio language and the Subtitle language.

Audio
If neither of your selected language is available on the program transmitted, the main language of the program will
be used.
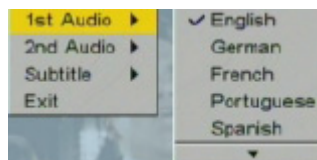
Subtitle
If your selected language is not available on the program transmitted, the main language of the program will be used.

Exit
You can choose the Exit options to return the System setting.

SETUP DVB-T

System Settings

GMT Usage
Allows you to enable/disable Greenwich Mean Time (GMT) usage. If you know the GMT
time zone of your location, set "*GMT usage*" to "*ON*" and select an appropriate time zone. If you prefer to set the time manually, select "*OFF*" in "*GMT usage*" item and then manually select the date and time.

Time Zone
Select an appropriate time zone to display the local time correctly. Both EPG and system schedule need a correct time zone setting.
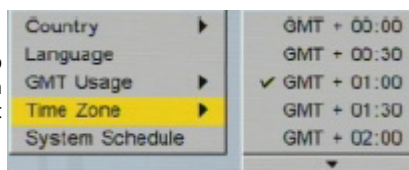
System Schedule
Press the **DOWN** button to highlight the System Schedule options, then press the **ENTER** button to into the System schedule setup.
This feature allows the receiver to automatically switch on and tune to a pre- specified channel for a pre-set length of time. Up to10 tasks can be scheduled.
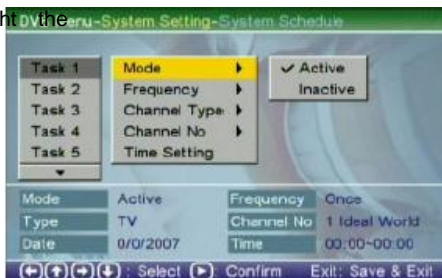
a.   In the Schedule pane, use the **UP** / **DOWN** key to select a task and use **RIGHT**/ **LEFT** key to switch between Inactive and Active.
b.   Press **ENTER** to enter the detail page.
c.   Enter the following settings as required. Use the **UP** / **DOWN** key to move between setting items, the **RIGHT** / **LEFT** key to switch between available selections and numeric keys to enter numeric value.

☐   **Mode**: You can activate the system schedule or deactivate them.
☐   **Frequency**: Set as Once, Daily or Weekly.
☐   **Time Setting**: Enter the start and end time that automatically turns on and off the receiver.
☐   **Channel Type**: Select TV or radio channel as required.
☐   **Channel No**: Select the channel to be played at scheduled time.

d.   When the setting is done, press **SETUP** or **RETURN** to save the changes.

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Troubleshooting DVB-T

Any problems?
Our custom service will help you. Did you already read the Troubleshooting pages?

No DVB-T Signal
Please check if the unit is in DVB-T mode? If not please switch to this mode.

Bad reception quality?
Please, align your antenna optimally. Use an antenna with active amplifier (house antenna or roof antenna). If   you have moved the unit, adjust the antenna again or connect an active antenna.

No TV programs?
If there are no more programs shown in the Channel list. Please start the automatic search again.

Remote control does not work?
Please, direct the remote control upon the device. If the problem continues, please change the batteries.

Note:
In areas with less DVB-T signals the application of an amplifier is recommended to the reception of all available TV channels.

Picture Quality
Die picture quality by DVB-T depends on the different areas and the different conditions. Some parameters are important for the picture quality, the bit rates, the resolution and the reception of the transmitted DVB-T signals.
Bit rate
The bit rate is fixed by the TV broadcaster and can be different between each TV program. Also the different TV broadcasters define the bit rate different to each others. If you see by watching DVB-T strong mosaics structures, artifacts or an un sharp picture, than you can try to increase the Signal strength and Signal quality by searching a better position of the indoor aerial. Maybe you can try also to change a passive indoor aerial to an active indoor aerial. But, if you can realizes optimal condition by receiving the DVB-T signals and you have anymore the artifacts or mosaics structures, than is the transmitted bit rates to low.
In Germany the values are very different by the bit rates, for example ZDF (2700 until 4500 kbps), ARD (2000 until 4500 kbps), HR (1800 until 3500 kbps) and Private TV Stations (1800 until 2700 kbps). If the bit rate is higher, than the picture quality is mostly better and the picture is more than less by artifacts or mosaic structures.
Resolution
The second influence by the picture quality is the transmitted resolution. If the resolution is higher than you can see a sharper picture. For example, ARD / ZDF (720x576   or 704x576 (that's PAL Full D1 resolution)) or Other (544x576or 528x576).

Analogue TV Tuner

With the UNIT you can also watch TV by using the analogue TV Tuner. Here you can connect the device to a roof antenna or to the analogue cable (CATV).

How to change to the analogue TV tuner?
Press the **SOURCE** button to select the ATV mode.

If you uses the first time the analogue TV Tuner, you should start to search the TV stations. For entering into the ATV Setup page, please press the **SETUP** button. The ATV menu appears on the screen.

AUTO SEARCH
Press the **DOWN** button to select "*Auto Search*" and start the automatically searching by pressing the **RIGHT** button.

Notes:

☐ The Auto Search always start from the program number 0.

☐ If the indication frequency stopped for a while during the searching, it means a new channel is found and will be save into the channel list.

☐ If a weak signal received the channel may be skipped and will be not save into the list.

☐ To stop the searching, you can press the **SETUP** button.

☐ To start the automatic search you can press the AUO button on the remote control.

MANUAL SEARCH
Press the **DOWN** button to select "*Manual Search*" and start the searching by pressing the **RIGHT** button.

Note:
Please refer the comments by the AUTO SEARCH.

FINE
If the search run does not match exactly the right frequency an you have some little distortion, you can adjust the ´channel frequency by the Fine Tuning. Please use for the fine tuning the **RIGHT** and **LEFT** button.

Note:
One time pressing of the **RIGHT** and **LEFT** button decrease or increase the frequency for 50 kHz.

Analogue TV Tuner

Position
Press the **DOWN** button to select „*Position*".
The current channel number   and   the
channel frequency   will   be   displayed at the
bottom of   the menu.
To   see   the   different   channel   and   there
correspondent   frequency, please press the
LEFT or **RIGHT** button to   change the channel
number and the displayed frequency.
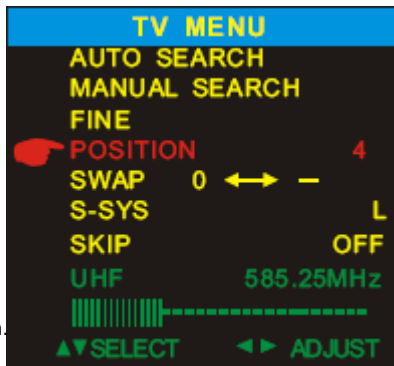
SWAP
Press the **DOWN** button to select „*Swap*".
Here you can move the channel to different position.

Note:
This function is very simple and might be not comfortable.

S-SYS
Press the **DOWN** button to select „*S-SYS*". Here you can change the PAL TV System to the
country specific requirement. The different options are shorten by the character "I",
"DK",
"BG", "L" or "L' ". By using one of the characters for the PAL TV System the audio and the
colour system will be change. Please refer the table.

Sign	TV Norm	Video -Audio Distance	Country
I	PAL-I	6.0 MHz	UK
DK	PAL-DK	6.5 MHz	Most European Countries
BG	PAL-BG	5.5 MHz	Most European Countries
L	SECAM-L	6.5 MHz	France
L'	SECAM-L'	6.5 MHz	Russia

SKIP
Press the **DOWN** button to select „*Skip*". With this option you can skip a TV channel.

Troubleshooting Analogue TV Tuner

No Signal
1. Please check if the UNIT is in ATV mode? If not please switch to this mode. Please press the SOURCE button until ATV appears on the screen.
2. Please control the "S-SYST" setting. Please note, that different countries using different TV norms.
3. Please make sure, that you receive really analogue TV signals.

Bad reception quality?
1. Please, align your antenna optimally. Use an antenna with active amplifier (house antenna or roof antenna). If you have moved the unit, adjust the antenna again or connect an active antenna.
2. Please fine tune the distorted TV channel.

No TV programs?
1. Please start the automatic search again.
2. Please control, if this TV station gets a SKIP setting. If yes, please deactivate them.

Remote control does not work?
Please, direct the remote control upon the device. If the problem continues, please change the batteries.

Note:
In many areas the analogue terrestrial signal is switches off. Please use for this region the DVB-T TV tuner.

FM RADIO

With the unit you can listen to the radio by using the FM Radio Tuner. Please connect the player to a roof antenna or plug the FM antenna into the FM antenna jack.

How to change to the FM Radio?
Press the **SOURCE** button to select the FM mode.

If you use the FM Radio for the first time, you should start to search the Radio stations. For entering into the FM Radio Setup page, please press the **FM/ MENU** button. The FM Radio menu appears on the screen.

AUTO SEARCH
Press the **DOWN** button to select "*Auto Search*" and start the automatically searching by pressing the **RIGHT** button.

Notes:
☐ The Auto Search always start from the program number 0.
☐ If the indication frequency stopped for a while during the searching, it means a new channel is found and will be save into the channel list.
☐ If a weak signal received, the channel may be skipped and will be not save into the list.
☐ To stop the searching, you can press the **MENU** button.
☐ To start the automatic search you can press the AUTO button on the remote control.

MANUAL SEARCH
Press the **DOWN** button to select "*Manual Search*" and start the searching by pressing the **RIGHT** button.

Note:
Please refer the comments by the AUTO SEARCH.

Position
Press the **DOWN** button to select „*Position*". The current channel number and the channel frequency will be displayed at the bottom of the menu.
To see the different channel and there correspondent frequency, please press the LEFT or RIGHT button to change the channel number and the displayed frequency.

FM RADIO

FINE

If the search run does not match exactly the right frequency an you have some little distortion, you can adjust the ´channel frequency by the Fine Tuning. Please use for the fine tuning the **RIGHT** and **LEFT** button.

Note:
One time pressing of the **RIGHT** and **LEFT** button decrease or increase the frequency for 50 kHz.

FM RADIO

Press the **DOWN** button to select „*FM-Radio*". The options are Mono and Stereo.

FM RADIO MENU

AUTO SEARCH
MANUAL SEARCH
POSITION   50
FM RADIO   MONO
FINE
MEMORY

FREQ:89.80MHz

▲▼SELECT   ◄ ► ADJUST

MEMORY

Press the **DOWN** button to select „*Memory*". If you had search a Radio station by manual search, you can store them with the option Memory. Press the LEFT button to select the channel number.

Troubleshooting FM RADIO

Any problems?
Our custom service will help you. Did you already read the Troubleshooting pages?

No Signal
1.   Please check if unit is in FM Radio mode? If not please switch to this mode. Please press the SOURCE button until FM RADIO appears on the screen.
2.   Please make sure, that you receive really analogue FM Radio signals.

Bad reception quality?
1.   Please, align your antenna optimally. Use an antenna with active amplifier (house antenna or roof antenna). If you have moved the unit, adjust the   antenna again or connect an active antenna.

2.   Please fine tune the distorted Radio channel.

No Radio programs?
1.   Please start the automatic search again.
2.   Please search manually a Radio station and store them by the *Memory* option.

Remote control does not work?
Please, direct the remote control upon the device. If the problem continues, please change the batteries.

TFT Settings

The unit can adjust the own 7 inch screen by various settings.

How to enter the TFT Settings?
Press the **FUNCTION** button to appear the setup.

To select one option, please uses the **UP** and **DOWN** button until the "finger mark" attains the option which do you want to change. For adjusting the option please use the **RIGHT** and **LEFT** button.

BRIGHT
Press the **DOWN** button to select „*Brightness*".
Please adjust the brightness carefully.

CONTRAST
Press the **DOWN** button to select „*Contrast*". Please adjust the contrast carefully.

COLOR
Press the **DOWN** button to select „*Color*". Please adjust the colour carefully.

Hue
Press the **DOWN** button to select „*Hue*". Please adjust the hue carefully.

Note:
Normally the screen is adjusted in an optimal way. All changes here are global changes, because all content which is displayed on the screen is affected. Please use the changes by brightness, contrast, colour and hue carefully.

ZOOM
Press the **DOWN** button to select „*ZOOM*". With this option you can forces that all content is displayed with 16:9 or 4:3 aspect ratio. Sometimes it is necessary to change from 16:9 to the 4:3 setting, if for example the DVD-Player or the DVB-T does not display the content in a correct aspect ratio.

Note:
You can also change the aspect ratio of the 7 inch screen by pressing the 4**:3/16:9** button.
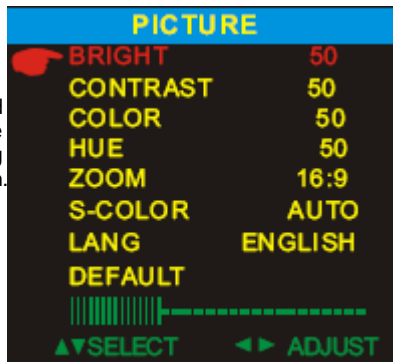
TFT Settings

S-COLOR
Press the **DOWN** button to select „*S-Color*". With this option you can adjust the colour system for PAL, NTSC or SECAM. If you not sure, which setting you need, please use the *AUTO* setting.

LANGUAGE
Press the **DOWN** button to select „*Language*". Here you can change the OSD language for TFT Settings. To change the option, please press the **ENTER** button on the remote control.

DEFAULT
Press the **DOWN** button to select „*Default*". Press the **ENTER** button to restore the factory settings for the TFT screen.

Specification

General
Power

AC:	100-240 V AC 50/60 Hz
Power consumption:	80 W / Stand-By 8 W / OFF = 0 Watt
Dimension:	Main Unit: 245(D) x 185(W) x 115(H) mm
	Speaker : 235(D) x 120(W) x 150(H) mm
Weight:	8.3 kg including speakers

Screen

Display:	7 inch TFT LCD
Resolution:	480 x 234 Pixel
TV Norm:	PAL, NTSC

Tuner

TV Tuner:	LG Hybrid Tuner

DVB-T TV-Tuner

Input Frequency Range

VHF:	174 - 230 MHz (Channel 5—12)
UHF:	470 - 862 MHz (Channel 21—69)
Bandwidth:	7 or 8 MHz
Input Signal Level:	-75 - -20 dB
RF Input Connector:	IEC169-2 type, F type
Input impedance:	75Ω

Demodulation Mode

Waveform:	COFDM
Demodulation:	QPSK, QAM16, QAM64
Transmission Mode:	2K, 8K
Guard interval:	1/4, 1/8, 1/16, 1/32
Code rate:	1/2, 2/3, 3/4 ,5/6 ,7/8

Video, Audio decoding

Video decoding:	ISO/IEC13818-2 MPEG2 (MP@ML) Compatible
Video resolution:	PAL 720 × 576
	NTSC 720 x 480
Video input code rate:	15Mbit/s Max.
Teletext:	Support DVB-ETS300472
Audio decoding:	ISO 11172－3
Audio Track:	Stereo, Left, Right
Audio Sample rate:	32, 44.1, 48 KHz

Radio Tuner

Frequency	87.5 - 108 MHz
S/N Ratio	> 46 dB
Monophonic	> 46 dB

Specification

DVD-Player

TV System	NTSC/PAL
Resolution Ratio	Greater Than 500 lines
Video S/N Ratio	65 dB
Frequency Response	96 kHz / 24bit
	4 Hz - 44 kHz +/-2 dB
Audio S/N Ratio	95 dB
Degree of Distortion	<0.01%
D/A Converter	192 kHz / 24 bit
Video Out	1 V p-p
S-Video Out Y:	1 V p-p (75)
S-Video Out C:	0.3 V p-p (75)

Speaker

Diameter	3 inch
THD Monophonic	2%
THD Stereo	3%
Frequency Response	30 Hz - 10 kHz +/- 1 dB
Resolution	35 dB (1 kHz)
	30 dB (100 Hz - 10 kHz)

Amplifier

Output power:	2x 20 Watt (4 Ohm)
Frequency Response:	60 Hz - 20 kHz +/- 3 dB
S/N Ratio	> 76 dB
Input Sensitivity	350 mv, 47k
Channel Resolution	> 30 dB (Normal)

Interface

Video:	CVBS (RCA), S-Video, SCART, YUV component (RCA)
Audio:	Stereo (RCA), digital coaxial (RCA), iPod Audio input
Others:	USB, RF-Antenna (DVB-T and analogue TV), RF-
Antenna	(FM Radio)

GLOSSARY

5.1 or AC-3
5.1-multichannel encoding means that 5 audio channels with full frequency response are present (left, center, right, surround left, surround right) plus a subwoofer channel (represented by the „.1") providing deep humming frequencies you are used to know from modern cinemas. Both Dolby Digital® and DTS® support 5.1-coding and –decoding.

Aspect ratio: 4:3 and 16:9
Full Frame refers to programs developed for TV display with an aspect ratio of 4:3. Widescreen refers to programs developed for screens with an aspect ratio of 16:9.
If a widescreen program is displayed on a 4:3 screen, the picture will have black borders on top and bottom.

CD
A CD (Compact Disc) is a metal-coated plastic disc. It has a diameter of 12 cm and a thickness of about 1,2 mm. It was developed by Sony and Philips in 1985. The advantages are digital storage of music enabling very natural sound reproduction. Beyond this, the data is stored more compact, the handling is easy. The long lifetime of the media and the fact that usage does not decrease quality made the CD the ideal storage media.
In the meantime, 12 different storage media have been developed from the first CD. The mostly used are CD-DA (Compact Disc - Digital Audio) , CD-ROM (Compact Disc - Read Only Memory), and the DVD (Digital Versatile Disc). One can store about 74 to 80 minutes of music on a CD (-DA). This is equal to 650 to 700 MB.
Signal transmission is performed touchless with a laser beam. The CD is being read from the middle to the outer side. The data or music is recorded in a spiral from the middle to the outer side.
A CD has pits and lands, the distance is about 1,6 mm. The laser light created by a laser diode passes different mirrors and prisms and then is focused by a lens to a laser beam.
This laser beam scans the data spiral of the CD. On the pits, the laser beam is reflected in another direction and is detected by a photocell. The photocell transmits the signal to a microprocessor, which converts the digital data to an audio signal. The rest is done by the sound system.

Coaxial
Coaxial is a digital transmission standard for audio data transfer. Coaxial can transmit digital audio tracks from one source to another without having to leave the digital transmission, which would result in worse quality.

Contrast
Means the range of luminance between the brightest and the darkest pixel, which can be displayed.

CVBS
Composite Video Interface. The video signal is transmitted via a single signal line. CVBS should only be used, if your playback device does not offer other interfaces for connection with you Xoro TV set, as CVBS due to technical reasons delivers worst quality of all available interfaces (please also refer to YUV, S-Video, SCART and RGB). The CVBS interface can easily be identified from the yellow colour of the RCA jack.

GLOSSARY

Dolby Digital
Dolby Digital® 5.1 is a system for transmission and storage of 5.1 channel sound on digital media as DVD, digital TV and satellite transmission. Different from the codec's Dolby Surround® and Pro Logic® who do not work with channel separation to encode the surround sound in a stereo recording, Dolby Digital® is a discrete system where the different audio channels keep completely separated during encoding and decoding. Dolby Digital 5.1 is industry standard for coding of DVD movies with surround sound.

DVD
The DVD (Digital Versatile Disk) was introduced in 1995 and is a storage media with a large capacity.
While a standard CD can store 650 MB of data, the DVD can store up to 9 GB. Especially when it comes to video playback, a large storage capacity is important. Beyond its high capacity, the consumer enjoys high quality video and audio. A DVD can store up to 8 different audio streams, so in best case, the movie can be watched in 8 different languages.

Hosiden-connector
4-pin connector for S-Video connections

HUE
HUE settings affect the colour balance of the picture.

Interlaced
The picture is created by writing two half pictures with a 1 line set-off on the screen. This is standard on conventional 50 Hz TV sets.

Kodak Picture CD®
The KODAK Picture CD® is the ideal media for all-round photographers. All pictures are stored at an excellent resolution of 1024 x 1536 pixel. On the KODAK Picture CD®, the images of your camera filmstrip are stored. It is not possible to add pictures at a later point of time.
Note: There also are "Kodak Foto CD's®" available. As they have a proprietary file format, your DVD player cannot playback these media.

GLOSSARY

MPEG-4
MPEG-4 is a standard used primarily to compress audio and video (AV) digital data. Introduced in late 1998, it is the designation for a group of audio and video coding standards
and related technology agreed upon by the ISO/IEC Moving Picture Experts Group (MPEG). The uses for the MPEG-4 standard are web (streaming media) and CD distribution,
conversation (videophone), and broadcast television, all of which benefit from compressing the AV stream. MPEG-4 absorbs many of the features of MPEG-1 and MPEG-2 and other related standards.
By MPEG-4 could be used a lot of different audio compression method. Most popular are MP3 and AC3.

NTSC
Widespread TV standard, especially in US and Asia. 525 (480 viewable) Lines and 60 Hz refresh rate. Describes the way the video information (brightness, colour, refresh rate etc.) is transmitted. Within Europe, this video standard only appears on imported media (like US
DVDs).

OSD
The OSD (On Screen Display) is all the menus and options shown on the screen.

PAL
European TV standard. PAL stands for Phase Alternation Line; refresh rate: 50 Hz, vertical line resolution: 625 Lines, 576 visible lines. Describes the way the video information (brightness, colour, refresh rate etc.) is transmitted.

PBC
PBC stands for playback control. This function can be used to show a menu on Video CD's (if contained on the VCD). One can move in this menu with the arrow keys and select the desired function with "enter".

Photo-CD (JPEG CD)
A Photo-CD is a storage system for image storage on a CD-ROM in a platform independent multi resolution structure (support of different resolutions and file formats, e.g. JPEG, BMP, etc). As a single camera film dies not fill a complete CD, more films can be added to the CD at a later time. A CD-ROM drive must be multi-session enabled to load images from a Photo-CD.

GLOSSARY

RGB
Red Green Blue. Describes the way of transmission and display of video signals. The three in TV systems used colours red, green and blue are transmitted separately. When used for connection between playback device and TV set, it delivers a quality similar to YUV.

S-Video
Describes the way video signals are transmitted. With S-Video, luminance and colour information are transmitted separately. S-Video interface can easily be identified by its 4- ports in a round connector.

Super Video CD (SVCD)
SVCD stands for Super Video CD. SVCD's are very similar to VCD's, one can store 35 - 60 minutes of high quality video with up to 2 Stereo audio tracks and 4 different subtitles. MPEG-2 compression technology is in use.

Video CD (VCD)
VCD stands for "Video Compact Disc". VCD's are similar to normal CDs. They contain movies with sound. A VCD can store 74 to 80 minutes of video with stereo sound. For the
storage of audio and video, MPEG-1 is used.

YCbCr YUV
Video signal with separated transmission of colour and brightness information. Similar to RGB, the signal is transmitted via tree separate RCA cables. Also called Component Signal. YUV delivers best signal quality available with analogue signal transmission.

This product's packing materials are recyclable and can be reused. Please dispose of any materials in accordance with your local recycling regulations.
This product consists of materials which can be recycled and reused if disassembled by a specialized company.
Batteries should never be thrown away or incinerated but disposed of in accordance with your local regulations concerning chemical wastes.