

1. What's in the box?



AV290DVD with speakers



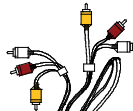
User manual



Remote Control
Unit



2x AAA bateries



A/V cable

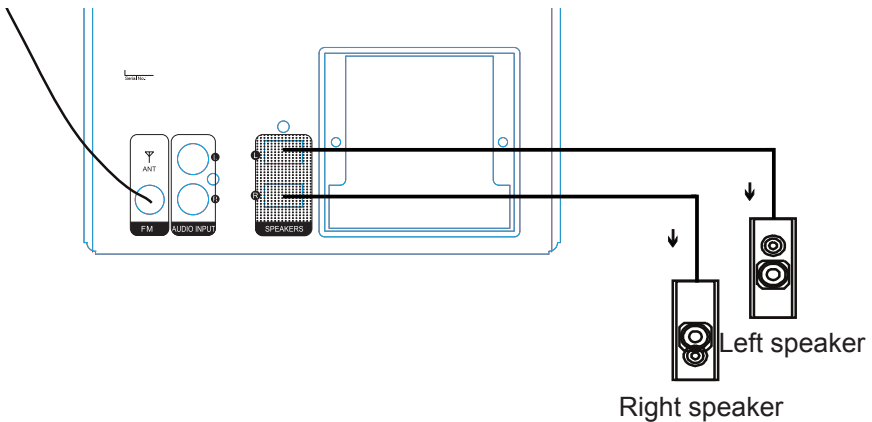


FM antenna wire


2. Connect - basic connection

Connect at least speakers and FM antenna

FM antenna



3. Setup

- 1 Press **⏻** to turn on.
- 2 Press **SETUP** to enter Setup menu.
- 3 Select  Language Setup tab then "OSD Language" option and press **OK**.
- 4 Use **▲▼** keys to select a language option in the menu and press **OK** to confirm.
- 5 Adjust other settings if needed
- 6 Press **SETUP** to exit.

4. Use

- 1 Copy multimedia files to USB memory.



- 2 Connect USB memory to USB port in AV290DVD
- 3 Use **◀▶▲▼** keys to navigate in the menu. Choose in "Files Manager" file that you want to play
- 4 Press **OK** to start playback.
- 5 To stop playback, press **STOP**.

CAUTION!

Refer to the user manual for more information.

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Product Overview

Thank you for purchasing the AV290DVD. This user manual provides step-by-step instructions for installing and using your new system.

With this unit, you can:

- watch video from DVD/VCD/SVCD or USB devices
- enjoy audio from discs or USB devices
- view pictures from discs or USB devices
- listen to FM radio

Other features:

- USB 2.0 HOST port (for USB storage devices)
- Card reader SD/MMC

Safety Information

- Please observe all warnings and instructions on the equipment and contained in these operating instructions.
- Please carefully read this user's manual before using the device.
- To avoid electric-shock hazards, do not open the cabinet, refer servicing to qualified personnel only. If cabinet is opened warranty will be invalid.
- Please switch off completely the device during thunder, during abnormal phenomenon, before cleaning it and in case it remains out of service for a long period.
- Do not expose the device under the sunlight. And keep it away from the heat source or humid environments. Do not block ventilation holes of the device so that air can circulate freely.
- Please place the device in horizontal and stable conditions, keeping it away from vibrating.
- If device is moved from warmer place to a colder one some problem might occur. Please switch off the device and turn it on after 1 or 2 hours.
- Keep the device away from flower vases, tubs, sinks, etc., in order to avoid damaging the equipment. Do not touch power supply with wet hands.
- Don't put any objects on the device.
- Be sure to turn the device off and disconnect the AC power cord before cleaning the receiver surface. If the surface is dirty, wipe clean with a cloth which has been dipped in a weak soap/and/water solution and wrung out thoroughly, and then wipe again with a dry cloth.
- Do not connect cables while power is plugged.

Introduction

- Do not use damaged cables for connections: you could cause fires.
- Please switch off completely the device while making all connections.
- The product purchased is a sophisticated electronic device which is not suitable for children under 18 years.
- We do not assume responsibility for damages caused to people or object, deriving from use of the device made by people under 18 years.

User manual

Ferguson has used all the available means to ensure the latest information regarding its products. Ferguson does not give a warranty regarding the contents of this User Manual and waives any implied warranties regarding market value or fitness for specific purposes. The information contained herein provide guidelines allowing the operation and maintenance of the receiver.

Ferguson reserves the right to make changes, corrections or to translate the User Manual without giving prior notice of such changes. Therefore, it is recommended that users visit our website regularly to receive the latest information.

IMPORTANT!

All the information contained in this manual was correct at the time of publication. However, as our engineers are always updating and improving the product, your device's software may have a slightly different appearance or modified functionality than presented in this manual.

● **To obtain the most current user manual**

Visit the Ferguson website www.ferguson-digital.eu to check the availability of the latest version of user manual. Please visit the FAQ section too.

Software upgrade

Periodically Ferguson may issue software upgrade to enhance your user experience.

- **To download and install the latest software to Ferguson**

Visit the Ferguson website www.ferguson-digital.eu to check the availability of the latest software upgrade.

Symbols used on the device



The caution risk of electrical shock - do not open symbol

This symbol tells you that you are not allowed to open the device. Only authorized (service) technicians are allowed to open the box.



The CE mark

This mark tells you that the device is following the provisions of Council Directive 2004/108/EC on the approximation of the laws of the Member States relating to the electromagnetic compatibility and the provisions of Council Directive 2006/95/EC on the approximation of the laws of the Member States relating to low voltage and electrical safety.



The double insulation symbol

This symbol tells you that the device is electrically safe within the normal use of the device as stated in the safety chapter.



RoHS
compliant
2002/95/EC

The RoHS mark

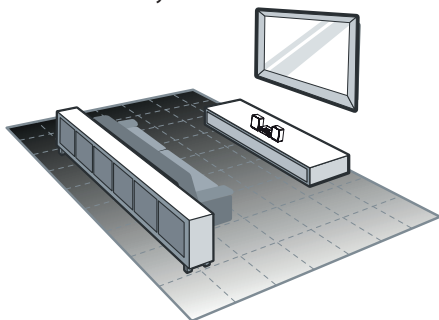
This mark tells you that the device is following The Directive on the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment 2002/95/EC (commonly referred to as the Restriction of Hazardous Substances Directive or RoHS)

Introduction

Setup

Finding a suitable location

- Place the set on a flat, hard and stable surface. Do not place the set on a carpet.
- Do not position the set on top of other equipment that might heat it up (e.g. receiver or amplifier).
- Do not put anything under the set (e.g. CDs, magazines).
- Install this system near the AC outlet and where the AC power plug can be reached easily.

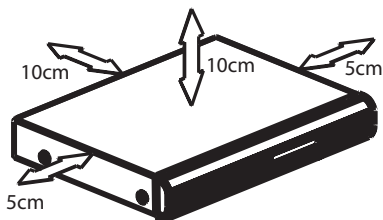


Avoid high temperatures, moisture, water and dust

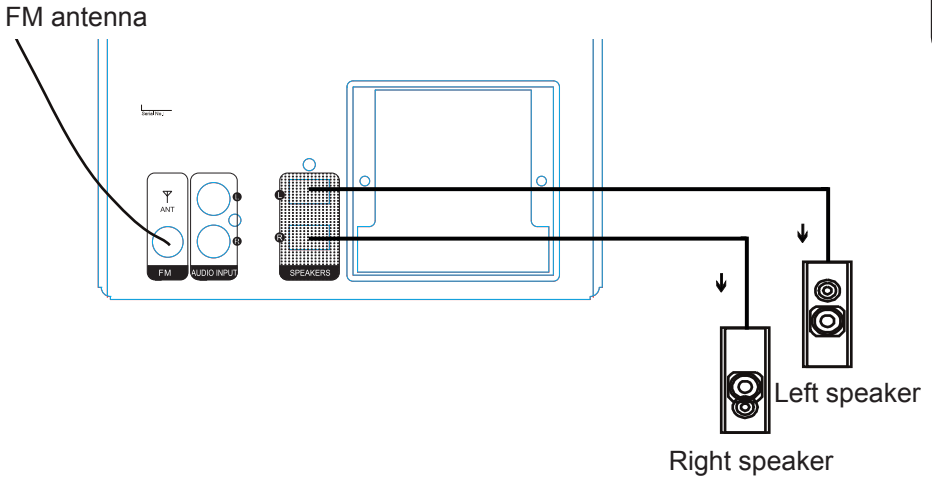
- Apparatus shall not be exposed to dripping or splashing.
- Do not place any sources of danger on the apparatus (e.g., liquid filled objects, lighted candles).

Space for ventilation

- Place the apparatus in a location with adequate ventilation to prevent internal heat build up. Allow at least 10 cm clearance from the rear and the top of the set and 5 cm from the left and right to prevent overheating.



Connecting speakers and antenna



IMPORTANT!

→ For optimal sound, use the supplied speakers only.

→ Connect only speakers with impedance that is the same or higher than the supplied speakers. Refer to the Specification section of this manual.

Connect speakers

- 1 Insert the connector of the wire completely into socket. Insert the right speaker wire to "R", left speaker wire to "L".

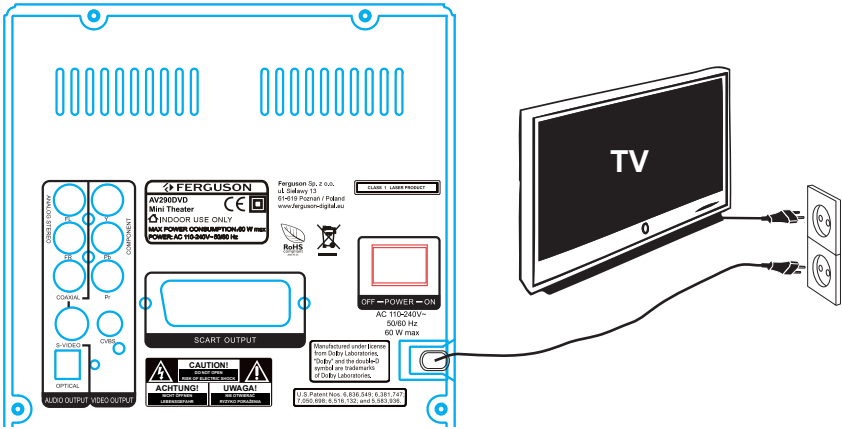
Connect FM antenna

- For optimal reception, fully extend and adjust the position of the antenna.
 - For better FM stereo reception, connect an outdoor FM antenna to the **ANT FM** jack.
 - The unit does not support MW radio reception.
- 1 Connect the supplied FM wire antenna to the **ANT FM** socket on the unit.

Connections


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Connecting the power cord

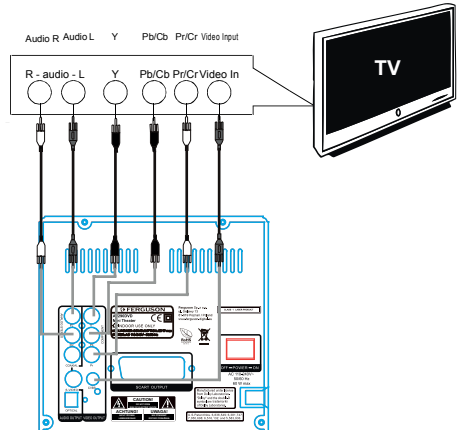
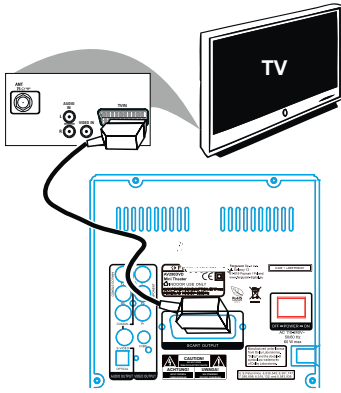


After everything is connected properly, connect the power cable into an AC power outlet.

Never make or change any connections with the power switched on.

Press **POWER SWITCH** on back panel.
Press **POWER**  on the RCU. Display on the front panel will turn on.

Optional: Connecting TV



IMPORTANT!

→ You only need to make one video connection from the following options, depending on the capabilities of your TV system.

→ Connect the player directly to the TV.

- ② To hear sound of this DVD player through your TV, use the audio cables (white/red) to connect ANALOG STEREO (L/R) jacks of the DVD player to the corresponding AUDIO IN jacks on the TV.

Using SCART Jack

→ A SCART connection will let you use features both Audio and Video on the DVD Player.

- Use the SCART cable to connect the AV290DVD's SCART jack (SCART OUTPUT) to the corresponding Scart input jacks on the TV.

Using Composite Video Jacks (CVBS)

- ① Use the composite video cable (yellow) to connect the AV290DVD's CVBS jack to the video input jack (or the labeled as A/V in, Video In, Composite or Baseband) on the TV.
- ② To hear the sound of this AV290DVD through your TV, use the audio cables (white/red) to connect ANALOG STEREO (L/R) jacks of the Ariva player to the corresponding AUDIO IN jacks on the TV.

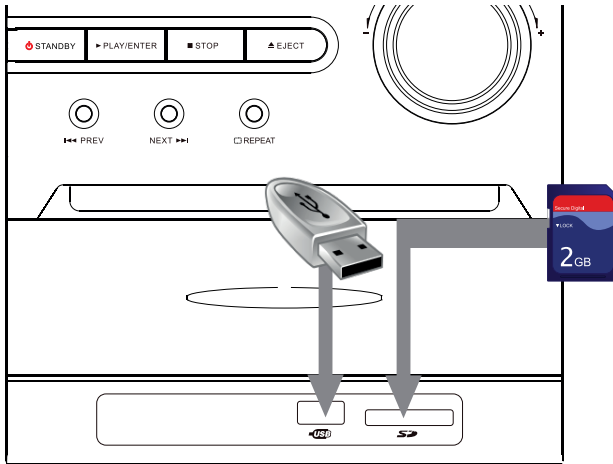
Using Component Video Jacks (Y Pb Pr)

- ① Use the component video cables (red/blue/green) to connect the AV290DVD system's Y Pb Pr jacks to the Corresponding Component video input jacks (or labeled as Y Pb Pr) on the TV.

Connections

ENGLISH

Optional: Connecting a supported USB devices and memory cards



Using USB port

You can only view the content of supported USB devices through AV290DVD system.

- 1 Connect the supported USB device directly to the USB port on the front panel (as shown on the above illustration).
- 2 Press **DVD/USB/CARD** button on the remote control in order to view and automatically play the files stored in the supported USB device, memory card or disc.
- 3 You have to stop playback before removing the supported USB device from the USB port.

Helpful hints:

- The USB port supports playback of JPEG/ audio files/video files.
- Not all portable audio/video players and digital cameras are supported.
- While connected to a card reader, only one card can be read at the same time.
- Only format FAT16, FAT32 partitions are supported by USB. NTFS is not supported
- Part of external hard disk drives without separate power supply may not work.
- If the USB device does not fit into the USB port, a USB extension cable is required.

Front and Rear panel



- ① **VFD display** - Shows information about the current status
- ② **IR Sensor** - Point the remote control towards this sensor
- ③ **Function buttons** - various functions
- ④ **Volume knob** - adjust volume
- ⑤ **Disc tray**
- ⑥ **Card reader** - Input the supported flash card. SD, MMC
- ⑦ **USB 2.0 port** - Input the supported USB device
- ⑧ **Speakers**



- ① **Stereo Audio Out** - connect to audio left and right input of a stereo system
- ② **COAXIAL (Digital Audio Out)**- connect to coaxial audio input of an amplifier
- ③ **S-Video** - connect to S-Video compatible device
- ④ **OPTICAL (Digital Audio Out)**- connect to coaxial audio input of an amplifier
- ⑤ **Component Video Out** - connect to YPbPr input of a TV
- ⑥ **CVBS (Composite Video Out)** - connect to CVBS video input of a TV
- ⑦ **SCART** - connect to SCART input of a TV
- ⑧ **Power Switch** - power on/off
- ⑨ **Main (AC Power Cord)** - connect to a standard AC outlet
- ⑩ **FM Antenna Interface**
- ⑪ **Stereo Audio In** - connect to audio left and right input of a stereo system
- ⑫ **L/R SPEAKER Out**

Functional Overview

ENGLISH

Remote Control Unit RCU290



- POWER** - Turns the system on or switches it to standby mode
- SETUP** - Enters or exits system setup menu (TV connection required)
- EJECT** - Open / close the disc tray
- Numeric keypad 0-9, 10+** - Selects numbered items in a menu
- T/F** - Enter radio station frequency
- FM** - Radio mode
- MEDIA** - Mediaplayer mode
- DVD/USB/CARD** - Access the contents of disc or the connected supported USB device or memory card (in mediaplayer mode)
- AUDIO IN** - audio input mode
- ◀ ▶ ▲ ▼** - Cursor buttons for moving left, right, up, down.
- OK** - Confirms an entry or selection
- VOL +/-** - Increase / decrease the volume
- CH+ ▶▶ / CH- ◀◀** - Skips to the next/ previous radio station (in radio mode)
- Skips to the next/ previous title/chapter/track (in mediaplayer mode)
- ▶▶** - Starts playback / Pauses playback
- - Stops playback
- TU- ◀◀** - Reverse search
- TU+ ▶▶** - Fast forward
- TITLE/RDS** - Display information on the display during playback (in radio mode)
- To go back to show title menu DVD-video
- MENU/SAVE** - Enter or exits the DVD-video disc menu
- save the current frequency of band (in radio mode)
- SUB-T/SEARCH** - Enable subtitle (in mediaplayer mode)
- Automatically search and store bands (in radio mode)
- LANG** - Selects an audio track or language (in mediaplayer mode)
- OSD** - Display information on the screen during playback
- MUTE** - Turn on/off sound
- ANGLE / CD-RIP** - Converting CD-audio tracks to MP3 files to USB device.
- QPLAY** - Skip the initial DVD-video title, menu or warnings (work if the disc supports this function) (in mediaplayer mode)
- DSP** - Select different sound presets: Live, Dance, Classic, Jazz, Pop and Rock (in mediaplayer mode)
- LOUD** - Set the loudness function on or off
- STONE** - Bass or treble adjusting mode. Press the button **VOL +/-** to adjust the level of bass or treble.
- DEFAULTS** - In ``No Disc`` status, press the button to return to the factory settings (TV connection not required)

Step 1: Inserting batteries into the Remote Control

- 1 Open the battery compartment.
- 2 Insert two batteries type R03 or AAA, following the indications(+ -) inside the compartment.
- 3 Close the cover.

Using the Remote Control to operate the Player

- 1 Aim the Remote Control directly at the remote sensor (IR) on the front panel.
- 2 Do not put any objects between the Remote Control and AV290DVD while operating the Player.

CAUTION!

- Remove batteries if they are exhausted or if the Remote Control is not being used for a long time.
- Do not use old and new or different types of batteries in combination.
- Batteries contain chemical substances, so they should be disposed properly.

Step 2: Setting up the TV

IMPORTANT!

Make sure you have completed all the necessary connections.

- 1 Press **POWER SWITCH** on back panel and then **POWER** ⏻ on the RCU to turn Ferguson on.
- 2 Turn on the TV and set it to the correct video source. You should see the Ferguson background screen.
 - The TV Remote Control may have a button or switch that chooses different video modes.
- 3 If you are using external equipment, (eg. audio system or receiver), turn it on and select the appropriate input source for the Ferguson player output. Refer to the equipment owner's manual for detail.

Selecting the TV system that corresponds to your TV

This Player is compatible with NTSC, and PAL.

- 1 Press **SETUP**.
- 2 Press **▶** to select Video tab
- 3 Press **▲▼** to highlight TV System, then press **▶**.
- 4 Press **▲▼** to highlight one of the available options.
- 5 Select a setting and press **OK**.

Getting Started

Step 3: Setting language preference

The language options are different depending on your country or region. It may not correspond to the illustrations shown on the user manual.

Setting the OSD language

- 1 Press **SETUP**.
- 2 Press **▶** to select Language Setup tab.
- 3 Press **▲ ▼** to highlight Menu Language, then press **▶**.
- 4 Press **▲ ▼** to select a language and press **OK**.

IMPORTANT!

→ If the inhibit icon (∅) appears on the TV screen when a button is pressed, it means the function is not available on the current multimedia content or at the current time.

Playable Discs

Your AV290DVD will play:

- Digital Video Discs (DVDs)
- Video CDs (VCDs)
- Super Video CDs (SVCDs)
- Digital Video Discs + Recordable[Rewritable] (DVD+R[W])
- Compact Discs (CDs)

Playable Content

File Systems

- FAT (FAT16 and FAT32)
- ISO-9660 and partly UDF on CD/DVD discs

Video containers

- MPEG-1/2 Program Stream (MPG, MPEG)
- MPEG-4 Part 14 (MP4)
- VOB
- AVI

Video codecs:

Most video codecs are supported up to 576p resolution.

- XviD (except 3 warp-point GMC)
- MPEG-1
- MPEG-2 ML@MP
- MPEG-4 ASP

Subtitle formats:

- SRT (SubRip)
- SMI (Sami)
- SUB (MicroDVD, SubViewer2)
- SSA (SubStationAlpha)
- TXT (SubRip, Sami, MicroDVD, SubViewer2, SubStationAlpha)
- IDX

Some user-created subtitles may not work properly

Some special characters are not supported

HTML tags are not supported

A movie file and external subtitle file must be located in the same folder.

Photo formats :

- JPEG, HD JPEG (baseline)

Major functions

Audio containers:

- MPEG audio (MP1, MP2, MP3, MPA)
- ASF (WMA)
- OGG

Audio codecs:

- Dolby Digital (AC3)
- WMA (except lossless and WMA Pro)
- MP1, MP2, MP3
- Vorbis

Extensions recognized in Ferguson file browser.

List of recognized multimedia file extensions are listed below. Not all files with those extensions are playable - some files may include not supported codecs and/or settings. Files with other extensions player will not play.

avi, dat, divx, jpe, jpeg, jpg, mp3, mpe, mpeg, mpg, ogg, ogm, vob, wma
ass, mpl, smi, ssa, srt, sub, txt

CAUTION!

- Playback of some files may fail or be incorrect
- Copy protected content is not playable.
- Playback may suffer temporary interruptions (image freeze, faster/slower playback, etc) when the audio language (audio track) is changed
- A damaged movie file may not be played correctly
- Videos with resolution higher than 720x576@25/30P may not work properly
- Movies larger than 2 GiB may not be played correctly
- Playing a movie via a USB/memory card that doesn't support high speed may not work properly.
- Playback of movie files with video bitrate over 5 Mbps may be incorrect

Basic radio playback controls

Press the **FM** button on the remote control to enter radio mode.

Select radio station

- 1 Directly input frequency: press **T/F** the button on the remote control, then input the frequency that you want. The range of FM frequency is from 87.50 MHz to 108.00 MHz.
- 2 Select the band by pressing **TU-** or **TU+** button: the button will adjust the frequency up or down one step (one step of FM= 0.05MHz).
- 3 Select saved stations by pressing the number buttons. For example, press **10+** button twice, **5** button once, and you have selected the 25th saved station. Press the **CH-** or **CH+** button to switch to the previous or next band.

Automatically search bands

Press the **SUBT./SEARCH** button, and the system will start to search bands from low to high frequency automatically. The searched bands are saved automatically. Press this button again to stop searching.

Save Bands

Press the **MENU/SAVE** button to save the current frequency of band. For example, if you want to save 99.30 MHz in the 28th cell, press **10+** button twice and **8** button once, press **T/F** button to input 9 9 3 0, then press **MENU/SAVE** button.

RDS Radio Function

Press the **TITLE/RDS** button on the remote control to switch to RDS radio mode. If there RDS signal is broadcasted, you may get following information:

PS: Program service name.

PTY: Program type.





RT: Radio text.

CT: Clock time and date.

Major functions





Playing discs

Press the **MEDIA** button on the remote control to enter mediaplayer mode.



- ① Connect the power cords of the AV290DVD and TV to a power outlet.
- ② Turn on the TV power and set to the correct Video in channel.
- ③ Press **POWER**  to turn on the AV290DVD.
 - The Ferguson background screen appears on the TV.
- ④ Press **EJECT**  on the front of the AV290DVD player or **EJECT**  button on the remote control.
- ⑤ Place a disc into the disc tray with the label facing up, then press **EJECT** .
 - For double-sided discs, load the side you want to play facing up.
- ⑥ Playback will start automatically. If not press **PLAY/PAUSE**.

Basic playback controls



All operations described are based on Remote Control use.

Use     and **OK** button to navigate in the menu.

Pausing playback

- ① During playback, press  to pause playback and display a still picture.
 - Sound will be muted.
- ② To resume normal playback, press .

Selecting file

Press   to go to the previous or next file

Stopping playback

Press .

Operations for video playback (DVD/VCD/SVCD)

Using the Disc Menu

Depending on the disc, a menu may appear on the TV screen once you load in the disc.

To select a playback feature or item

- Use ◀▶▲▼ keys or **numeric keypad (0-9; 10+)** on the remote, then press **OK** to start playback.

To access or remove the menu

- Press **MENU** on the remote.

Repeat play mode

The repeat play options vary depending on the media type.

- ① While playing, press **REPEAT** continuously to choose a repeat options.
- ② To cancel repeat playback, press continuously **REPEAT** until the repeat mode is tuned off.

Forward/Reverse Searching

- ① Press ◀◀▶▶ during playback to select the required speed: 2X, 4X, 8X, 16X, 32X (backward or forward)
→ Sound will be muted or intermittent.
- ② To return to normal speed, press ▶||.

Playback info

OSD menu shows playback information (for example, file name, current playback progress, audio and video codecs).

- During playback, press **OSD**
→ A list of available information appears on the TV screen.

Changing the Audio Language

- Press **LANG** repeatedly to select different audio language or audio tracks.

Subtitles

Display subtitle by pressing **SUB-T** button during playback.

Helpful Hints:

- Subtitle files with the following filename extensions (.srt, .smi, .sub, .ssa, .idx, .txt, .ass) are supported.

Major functions

Playing multimedia files from the USB device or memory card

This AV290VD system able to access and view the data in the supported USB device or memory card.

- ① In mediaplayer mode (after pressing **MEDIA** button) insert a supported USB device into the USB port on the front panel.
 - A dialog will be displayed on the left bottom corner.
 - When playing an ISO disc, the dialog will not be displayed.
- ② Press **DVD/USB/CARD** on the remote control to access the data in the drive.

Helpful Hints:

- Press **MENU/SAVE** to switch between flat and folder view.
- A total of 300 folders and maximum of 648 titles can be supported.

Compatibility of USB device

- The USB port does not support the connection of other USB device except the supported USB device.
- The USB port can supports the playback of JPEG/music files/AVI files.
- Copy protected contents are not playable.

Helpful Hints:

- Supported USB device include: flash drive, card readers for different kinds of cards, external hard disk.

General Operation

- ① Load a disc or USB device.
 - The disc reading time may exceed 30 seconds due to the complexity of the directory/file configuration.
 - The data disc menu appears on the TV screen
- ② Press **▲▼** to select the folder and press **OK** to open the folder.
- ③ Press **▲▼** to select a track/files.
- ④ Press **PREV/NEXT** to go to previous/next page.
- ⑤ Press **OK** to confirm.

Playback selection

During playback ,you can;

- Press **PREV/NEXT** to select the previous/next track/file in the current folder.
- Press **PLAY/PAUSE** repeatedly to pause/ resume playback.

Rotating Pictures

- During playback, press **▲▼◀▶** to rotate the picture on the TV screen.
 - ▲: flip the picture vertically by 180°
 - ▼: flip the picture horizontally by 180°
 - ◀: flip the picture anti-clockwise by 90°
 - ▶: flip the picture clockwise by 90°

Helpful Hints:

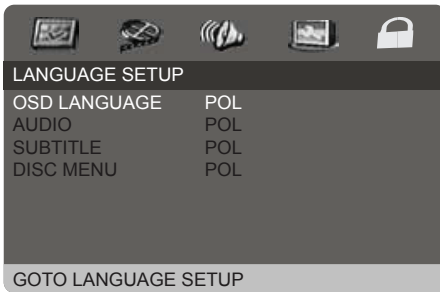
- It may not be possible to play certain JPEG disc due to the configuration and characteristics of the disc or condition of the recording.
- For multi-session discs with different formats, only the first session will be available.

Setup Menu Options

Setup is carried out via the TV, enabling you to customise the AV290DVD to suit your particular requirement.

Language Setup menu

- 1 In mediaplayer mode, press **SETUP**.
- 2 Press ◀▶ to select "Language Setup" icon.



OSD language

This menu contains various language options for display language on the screen.

DVD-Video Audio, Subtitle, Disc Menu

These menus contain various language options for audio, subtitle and disc menu which may be recorded on the DVD.

Video Setup Menu

- 1 In mediaplayer mode, press **SETUP**.
- 2 Press ◀▶ to select 'Video Setup Page' icon.



Switching the YUV/RGB

This setting allows you to toggle the output of the video signal between RGB (on SCART) and YPbPr (on Component).

- 1 In 'Video Setup Page', use ▲▼ keys to highlight {VIDEO OUTPUT}, then press ▶.

S-Video - Select this for S-Video (S-VHS) connection

YPbPr - Select this for Y Pb Pr connection

RGB - Select this for SCART connection

- 2 Use ▲▼ keys to press **OK** to confirm your selection.

Warning:

→ When the AV290DVD is set to Y Pb Pr (YUV), some TV may not properly synchronise with player on the SCART connector.

Setup Menu Options

Setting the TV Display

The picture shape can be adjusted to fit your TV and the format must be available on the playback disc. Otherwise, the TV display will not affect the picture during playback.

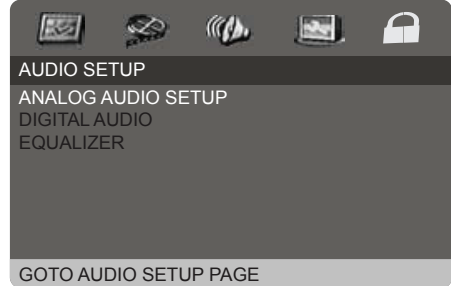
- 1 In 'Video Setup Page', use ▲ ▼ keys to highlight { TV Display }, then press ►.
- 2 Use ▲ ▼ keys to select a setting:
 - { 4:3 Panscan }**
Select this for a full-height picture with the sides trimmed.
 - { 4:3 Letterbox }**
Select this for a 'wide-screen' display with black bars on the top and bottom.
 - { 16:9 }**
Select this for wide-screen TV (frame ratio 16:9).
- 3 Press **OK** to confirm.

TV Type

This menu contains the options for selecting the colour system that matches the connected TV.

Audio Setup menu

- 1 In mediaplayer mode, press **SETUP**.
- 2 Press ◀ ▶ to select 'Audio Setup Page' icon.



Analog Output Setup

This options allows you to set the stereo analog output of your AV290DVD.

- 1 In 'AUDIO SETUP PAGE', press ▲ ▼ keys to highlight {ANALOG AUDIO SETUP}, then press ► twice.
 - {Stereo}** - Select this when output delivers sound from only the two front speakers.
 - {LT/RT}** - Select this option if your AV290DVD is connected to a Dolby Pro Logic decoder. Surround sound will be like in a movie theatre only if movie disc was recorded in the Dolby Pro Logic format.
- 2 Use ▲ ▼ keys to select a setting and press **OK** to confirm.

Digital Audio Setup

The options included in Digital Audio Setup are: { Digital Output } and { LPCM Output }.

- 1 In 'Audio Setup Page', use ▲ ▼ keys to highlight { Digital Audio Setup }, then press ►.
 - 2 Use ▲ ▼ keys to select an option.
 - 3 Press ► to enter into the submenu.
 - 4 Press ▲ ▼ keys to select a setting.
- { **Digital Output** }

Select this if you connect to a multichannel decoder/receiver.
{ SPDIF/Off } - To deactivate the digital audio output. For example, if you use the AUDIO OUT sockets to connect to a TV or stereo system.

{ SPDIF/RAW } - Select this if the connected device has a built-in multichannel decoder that supports one of the multichannel audio format (Dolby Digital, MPEG-2).

{ SPDIF/PCM } - Select this if the connected device is not capable of decoding multichannel audio. Ferguson will convert the Dolby Digital and MPEG-2 multichannel signals to PCM (Pulse Code Modulation).

Helpful Hint:

→ If { Digital Output } is set to { SPDIF/RAW }, all audio settings except MUTE are invalid.

- { **LPCM Output** }

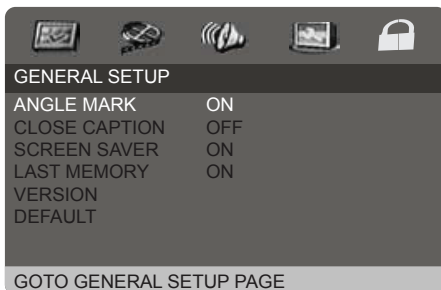
Select this if you connect to a PCM compatible receiver. Discs are recorded at a certain sampling rate with the higher sampling rate, the better sound quality.

{ 48K } - Select this if the playback disc is recorded at a sampling rate of 48kHz.

{ 96K } - Select this if the playback disc is recorded at a sampling rate of 96kHz.

General Setup menu

- 1 In mediaplayer mode, press **SETUP**.
- 2 Press ◀ ▶ to select 'General Setup Page' icon.



Restoring to original settings

Setting the { Default } function will reset all options and your personal settings to the factory defaults, except your password for Parental and Disc Lock.

- 1 In 'Preference Page', use ▲ ▼ keys to highlight { Default }, then press ► to select { Reset }.
- 2 Press **OK** to confirm.

→ All settings will now reset to factory defaults.

Helpful Hint:

→ To restore factory settings when TV is not connected press **DEFAULTS** button on RCU.

Troubleshooting

WARNING

Under no circumstances should you try to repair the system yourself, as this will invalidate the warranty. Do not open the system as there is a risk of electric shock.

If a fault occurs, first check the points listed below before taking the system for repair. If you are unable to remedy a problem by following these hints, consult your dealer for help.

Problem	Solution
No power	<ul style="list-style-type: none"> – Check if the AC power cord is properly connected. – Press the POWER on the RCU to turn on the power.
No picture	<ul style="list-style-type: none"> – Refer to your TV's manual for correct Video In channel selection. – Check if the TV is switched on.
No sound or distorted sound	<ul style="list-style-type: none"> – Adjust the volume. – Check that the speakers are connected correctly.
No audio at digital output	<ul style="list-style-type: none"> – Check the digital connections. – Check if your receiver can decode Dolby Digital, DTS and if not, please make sure the digital output is set to LPCM. – Check if the audio format of the selected audio language matches your receiver capabilities.
The player does not respond to the Remote Control	<ul style="list-style-type: none"> – Aim the Remote Control directly at the sensor on the front of the player. – Reduce the distance to the player. – Replace the batteries in the Remote Control. – Re-insert the batteries with their polarities (+/- signs) as indicated.
Player does not respond to some operating commands during playback.	<ul style="list-style-type: none"> – Operations may not be permitted. Refer to the user manual
No sound during movies playback	<ul style="list-style-type: none"> – The audio codec may not be supported by the Ferguson
The contents of the USB flash drive cannot be read	<ul style="list-style-type: none"> – The USB flash drive format is not compatible with the player. – Drive is formatted with a different file system.
Slow operations of the USB flash drive	<ul style="list-style-type: none"> – Big file size or high resolution USB flash drive takes longer time to read and display on the TV screen.

Specifications

Processor

Mediatek MT1389J

Loader

Sanyo HD850

Connections

Scart Output	Euroconnector
YPbPr Output	3x Cinch
CVBS Output	Cinch (yellow)
Audio Output	2x Cinch
Audio Input	2x Cinch
Digital Output SPDIF	1x coaxial 1x optical
Port USB card reader	1x USB 2.0 High Speed type A 1x SD/MMC

FM radio

87.50 MHz to 108.00 MHz

Cabinet

Dimensions (w x h x d) 511 x 258 x 250 mm (main unit with speakers)

Set Weight Approximately 7,5 kg

Power consumption

Power Supply Rating 110-240V; 50/60Hz

Power consumption 60 W max

Specifications subject to change without prior notice

Glossary

Composite (CVBS) - Low quality analogue video signal format. Can carry PAL signal..

Component (YPbPr) - Higher quality analogue video signal format. Splits the video signal into three components to maintain signal clarity and capable of carrying high definition video up to 1080p. Component is rapidly being phased out in favour of digital video via HDMI.

Aspect ratio: The ratio of vertical and horizontal sizes of a displayed image. The horizontal vs. vertical ratio of conventional TVs is 4:3, and that of widescreens is 16:9.

Disc menu: A screen display prepared for allowing selection of images, sounds, subtitles, multi-angles, etc recorded on a DVD.

JPEG: A very common digital still picture format. A still-picture data compression system proposed by the Joint Photographic Expert Group, which features small decrease in image quality in spite of its high compression ratio.

XviD: MPEG-4 based video compression technology, that can shrink digital video to sizes small enough to be transported over the internet, while maintaining high visual quality.

Container. The multimedia container file is used to identify and interleave different data types. Simpler container formats can contain different types of audio codecs, while more advanced container formats can support multiple audio and video streams, subtitles, chapter-information, and meta-data (tags) — along with the synchronization information needed to play back the various streams together. There are many container formats, such as AVI, Matroska (MKV), MOV, MP4, OGM, WAV, etc.

Analogue: Sound that has not been turned into numbers. Analogue sound varies, while digital sound has specific numerical values. These jacks send audio through two channels, the left and right.

Digital: Sound that has been converted into numerical values. Digital sound is available when you use the DIGITAL AUDIO OUT COAXIAL or OPTICAL jacks. These jacks send audio through multiple channels, instead of just two channels as analog does.

PCM (Pulse Code Modulation): A system for converting analog sound signal to digital signal for later processing, with no data compression used in conversion.

S/PDIF - Format for carrying audio digitally over either optical (TOSLINK) or electrical (Coaxial) cable. Can carry high quality DTS or Dolby Digital audio.

TOSLINK - Standardised optical fibre connection system invented by Toshiba. Typically used to connect the Player to a AV receiver for pass-through of HiFi audio. When we refer to digital optical we mean S/PDIF via TOSLINK.

Dolby Digital (or AC-3) - It is a surround sound system developed by Dolby Laboratories containing up to six channels of digital audio (front left and right, surround left and right, center and subwoofer). It is a required standard of both Blu-Ray and DVD and the most widely supported. It is a 'lossy' format so is of a lesser quality than the studio original. Surround sound up to 5.1 channel is supported. The Dolby Digital audio track can either be decoded (downmixed) to stereo in the Player or digitally bitstreamed direct (passthrough) to a compatible AV receiver (via TOSLINK/Coaxial/HDMI) for decoding.

DTS (Digital Theater System) - is a required standard of both Blu-Ray and DVD players and is widely regarded to produce audio quality superior to Dolby Digital. Up to 5.1 channel surround sound is supported. DTS is a 'lossy' compression standard so the audio is of a lesser quality than the original studio recording. The DTS audio track can either be decoded (downmixed) in the Player to stereo or digitally bitstreamed direct (passthrough) to a compatible receiver (via TOSLINK/Coaxial/HDMI) for decoding.