

*USER MANUAL*

T75

ENGLISH

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# WARNING !!!



Ferguson receivers support recording on external hard disk drives (HDDs) and flash memories (pendrives). In all instances, the correct operation of the recording function depends on the type of connected memory! You must read the following limitations.

## REMEMBER:

1. In order to use an external USB memory, the memory must support the USB 2.0 standard. To ensure stable recording and playback, **you must use a memory with a recording speed of 9.0 MB/s or greater**. Slower hard disk drives and flash memories may not function properly, have problems with recording (image jitter), or not function at all!!!
2. Only disks with one basic NTFS or FAT32 partition (we recommend using the NTFS format) will function properly. If you do not have such a format, prepare the disk on your computer before connecting it to the receiver.
3. Highly fragmented or used memories may also not operate smoothly or correctly.
4. External hard disk drives should be autonomously powered, since the built-in USB port is unable to provide sufficient power.

## CAUTION

1. Under no circumstances should you disconnect the USB device from the receiver during recording or playback. Disconnecting during operation may cause damage to the receiver and/or flash memory, and to the recorded data.
2. Do not touch the working device (and in particular the USB connector) with wet hands. Risk of electric shock and permanent damage to the receiver!

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## SAFETY MEASURES

We request that you read the instruction manual and recommendations set forward therein. Also remember to correctly position the antenna!



In order to avoid an electric shock, never open the housing. Damage to the warranty seal shall void the warranty.



Disconnect the device from the mains during thunderstorms or when it is not to be used for an extended period of time. Please remember that the warranty does not cover damage to the equipment caused by a lightning strike.



Do not expose the device to direct sunlight. Place it away from sources of heat and humidity. Do not cover ventilation ducts, in order to ensure the correct circulation of air.



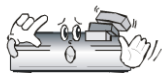
Place the device horizontally on a flat, even and stable surface.



If you move the device from a room that is warm to one that is cold (or vice versa), wait at min. 1 hour before connecting it to the mains. Otherwise, problems may arise.



The device should be placed away from vases, bottles, aquariums and other water containers in order to avoid damage. Do not touch the mains plug with your bare hands.



Do not place any objects on the housing of the device. This may cause overheating and reception problems.

Before commencing maintenance or installation work, disconnect the receiver from the mains. Do not clean the receiver with alcohol or liquids containing ammonia. If necessary, clean it with a soft, lint-free cloth wetted with a gentle solution of water and soap.

- Do not connect any cables when the mains plug is in the socket.
- Check the condition of your cables. Damaged cables may cause a fire.
- Please disconnect the receiver from the mains before connecting any cables.

## DOWNLOADABLE SOFTWARE

Ferguson has taken every effort to provide for users software with updates in order to ensure that the parameters of the terrestrial television receiver are up to date. Ferguson reserves the right to amend, change or modify the software used in the terrestrial television receiver on any basis and without prior notification. The latest version of the software is available on the website <http://www.ferguson-digital.eu>

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## ABOUT THE INSTRUCTION MANUAL

Ferguson Sp. z o.o. has made every effort to provide the most current information about its products. Ferguson Sp. z o.o. does not grant any guarantee as to the contents of the present instruction manual and disclaims any implied guarantees concerning market value or suitability for specific purposes. The information contained herein is an instruction intended to enable the correct usage and maintenance of the receiver.

Ferguson Sp. z o.o. reserves itself the right to introduce amendments, changes or translations of the instruction manual without prior notification thereof. For this reason, we recommend you regularly visit our website in order to obtain the latest information.

## MARKINGS AND SIGNS APPLIED TO THE RECEIVER



Digital signal transmission logo. This logo informs that the receiver conforms to the Digital Video Broadcasting standards.



Risk of electric shock - do not open. This notice warns the user not to open the receiver housing. The housing may be opened solely by authorized service technicians.



When this crossed-out wheeled bin symbol is attached to a product it means that the product is covered by the European Directive 2002/96/EC. Please inform yourself about the local separate collection system for electrical and electronic products.

Please act according to your local rules and do not dispose of your old products with your normal household waste. Correct disposal of your old product helps to prevent potential negative consequences for the environment and human health.



Your product contains batteries covered by the European Directive 2006/66/EC, which cannot be disposed with normal household waste. Please inform yourself about the local rules on separate collection of batteries because correct disposal helps to prevent negative consequences for the environmental and human health.



Your product is designed and manufactured with high quality materials and components, which can be recycled and reused.



CE logo. The logo informs that the receiver conforms to the terms and conditions of Directive 2004/108/EC concerning observance by Member States of provisions regulating electromagnetic compatibility, and to the terms and conditions of Directives 2006/95/EC concerning observance by Member States of provisions regulating low voltage electricity and safety with relation to the handling and operation of electrical equipment.



Double insulation logo. This logo informs that the receiver is an electrically safe device, provided that it is used in accordance with the recommendations set forward in the chapter concerning safety.



Hot surface mark  
CAUTION: HOT SURFACE. DO NOT TOUCH. The top surface over the internal heat sink may become hot when operating this product continuously. Do not touch hot areas, especially around the "Hot surface mark" and the top panel.



When this logo is attached to a product, it means a financial contribution has been paid to the associated national recovery and recycling system.

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## BASIC INFORMATION ABOUT THE RECEIVER

### 1. Main features

- ✓ MPEG-2, MPEG-4, MPEG-4 AVC/H.264, **HEVC/H.265** standards (Compatible with DVB-T/T2 system)
- ✓ Reception of high definition channels
- ✓ Scaling of PAL signals to a resolution of 720p or 1080p
- ✓ Availability of programmable timers
- ✓ Separate lists of favourite, TV and Radio channels
- ✓ Quick channel search function (QuickFind)
- ✓ Teletext and on-screen captions



### 2. Contents of box

Unpack the receiver and check whether all of the following elements are present

- ✓ 1 x remote control unit
- ✓ 1 x instruction manual
- ✓ 1 x receiver
- ✓ 1 x AC adapter
- ✓ 1 x HDMI cable

### 3. Important instructions concerning handling of the receiver

The screen menu (OSD) simplifies operation of the receiver and has made it possible to reduce the number of keys on the remote control. All of the functions are displayed on the screen and may be controlled by means of a small number of keys. Common functions have been connected in one "MENU". The selected function is coloured. Depending on the selected option, various "function keys" are displayed: red, green, yellow and blue in the form of graphics and descriptions. The colours represent various functions in individual "Menus". The selected function is activated by pressing a key on the remote control unit. The so-called function keys are active only when in the appropriate field there is information about it. The user interface makes it possible to navigate within a menu and between functions in a number of different ways. Certain buttons on the remote control allow direct access to functions. The buttons are multi-functional, i.e. their functions depend on previously activated elements.

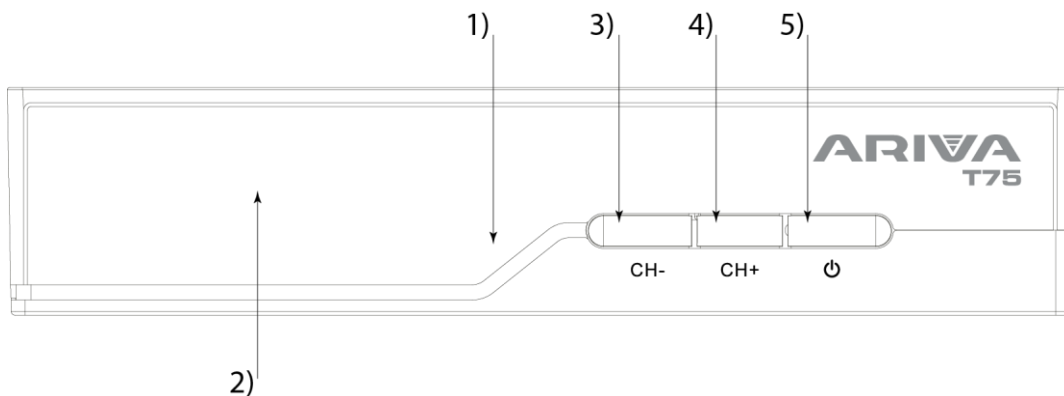
#### **NOTE:**



*Please keep in mind that new software may change the functionality of the receiver. Photographs and descriptions included in the instruction manual are for informational purposes only. If you should notice an error, please report it - we shall make every effort to have it rectified.*

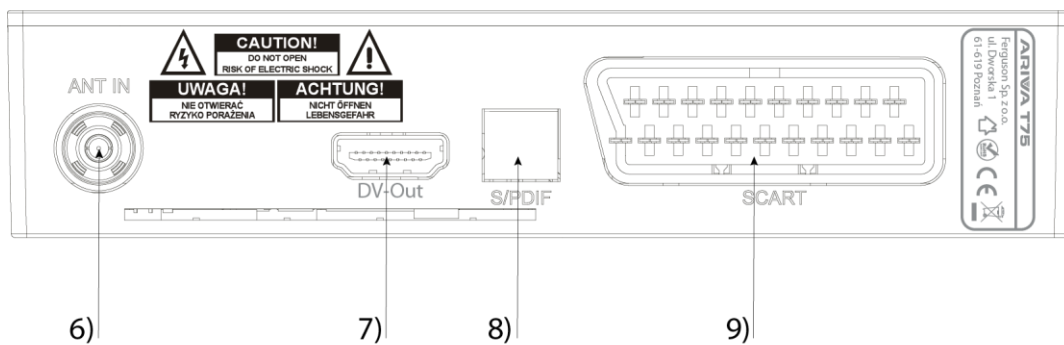
## 4. Device description

### a) Front panel



- 1) The IR sensor – to the RCU signal receiving.
- 2) The LED display – displays the channel or time.
- 3) CH+ - changes the channel to the previous one.
- 4) CH- - changes the channel to the next one.
- 5) Standby - Turns off or on the STB.

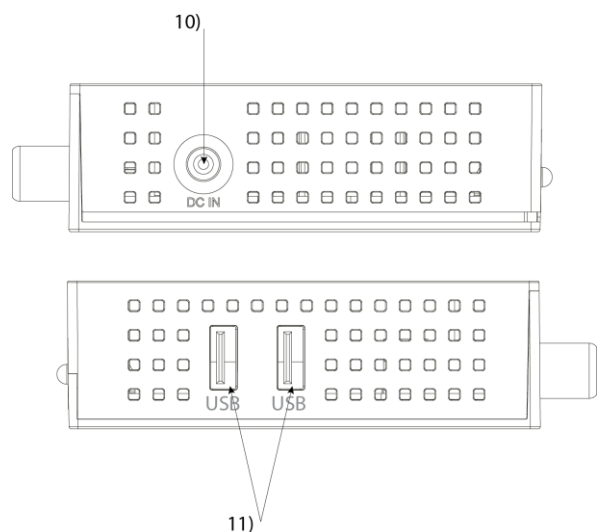
### b) Rear panel



- 6) RF IN – antenna input
- 7) DV-OUT - digital signal output.
- 8) S/PDIF – optical audio output.
- 9) SCART – analog video and audio output.






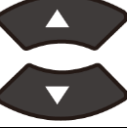
### c) Sides panel

- 10) Power in connector - for the 12V power source.
- 11) USB – for external device plugin.



## 5.1 RCU

### 5.1 Buttons description

No.:	Button	Description
1.		Sound muting.
2.		Function buttons
3.		Buttons are for controlling record, playback, multimedia, and time-shift functions.
4.	<b>LIST</b>	Switch between groups T2/C
5.	<b>SUBTITLE</b>	Turn off/on the subtitle if subs are available.
5.	<b>TEXT</b>	Enables the Teletext to be displayed on the screen, if available.
6.	<b>RECALL</b>	Switch to the previously viewed channel.
7.	<b>AUDIO</b>	Switch the version of the audio track, if available.
8.		Displays information about the current program
9.	<b>OK</b>	Confirm changes. Activation of the channel list.
10.		Navigating the receiver's menu Adjust the volume level (quieter, louder).
11.		Navigate the receiver's menu. Switch to the next or previous channel.
12.	<b>EXIT</b>	Return to the previous submenu, exit from the menu.
13.	<b>0-9</b>	Selecting a channel by number in the channel list. Entering numerical values. Return to the previous submenu, exit from the menu.
14.	<b>TV/RADIO</b>	Change the channel list between TV and Radio
15.	<b>CH+/CH-</b>	Change channels
16.	<b>VOL+/-</b>	Change the volume
17.	<b>MENU</b>	Display the main menu on the screen.
18.	<b>FAV</b>	Displays a selection of favorite channel list.
19.	<b>REC</b>	Starts recording.



**WARNING!** The remote control needs to be paired with a set-top box.

Pairing process:

1. Disconnect the set-top box from the power supply by removing the plug from the socket.
2. Connect the decoder to the power supply, when the display shows "ON" press and hold the red function button for 10 seconds. (You should connect the decoder and without waiting for



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the system to start - the image appears on the TV screen, press and hold the red button. Also, do not initiate the pairing - select the red function button before connecting to the power supply.)

3. The remote control should pair with the decoder. Check the operation of the remote control. **WARNING!** In case of damage to the RCU76 remote control, contact the supplier. The pairing of a usable RCU76 proceeds as described above. While pairing one set (1xRCU + 1x STB), the other decoders should be disconnected from the power supply.

## 5.2 Installation of batteries

Remove the cover of the battery compartment on the rear panel of the remote control unit; slide it downwards and put it aside. Insert two AAA (R03) batteries into the compartment, observing the indicated polarity. **Do not mix old and new batteries, or batteries of different types.** Replace the battery compartment cover. Slide it upwards until it locks in place.

## 5.3 Connecting

**ATTENTION:** Make sure the voltage specification of the domestic electrical system matches the receiver's power supply.

**PAY ATTENTION!** When connecting the receiver to other equipment (such as the TV, the receiver), make sure you follow the appropriate instructions for use. Check that you have disconnected all equipment from the main power supply.

## 6. First installation

After the decoder is connected correctly to the rest of the equipment, turn on the decoder and remaining equipment. When the first start-up or restoration of factory settings, the first installation menu screen will appear. Use the navigation keys on the remote to choose the appropriate settings for you.

- Language - a setting of the OSD language.
- Country - setting to specify scanning parameters appropriate for the country of installation of the device.
- TV system - a choice between PAL, NTSC broadcasting systems
- Video Resolution - select a screen resolution
- Aspect Mode - selection of the picture format (4: 3 Letterbox, 4: 3 Pan scan; 16: 9)
- Antenna Power - This allows you to choose between a powered or passive antenna.
- Summer Time - toggle summertime on/off
- Channel Search - a choice between terrestrial TV and cable
- LCN - sort by terrestrial provider numbering
- FTA Only - This allows you to filter pay channels. FTA - "free to air" (free channels)



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After selecting the settings we are interested in, go to the "next page" item and confirm with the "OK" button. Scanning of the signal from the antenna will proceed.

**ATTENTION!** *After selecting the settings we are interested in, go to the "next" item and confirm with the "OK" button. Scanning of the signal from the antenna will proceed.*

**ATTENTION!** *Select a country other than the one the device installation. May result in the lack of reception of the full range of channels due to differences in signal parameters!*

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## 7. Settings

To go to the settings, press the "**MENU**" button. For navigating, use the arrows of remote controls. Switch between pages using **right/left buttons**. To enter the setting page, press the "**OK**" or **Up/Down buttons**. To change the selected setting, use the **up/down buttons**. For select, the setting, use the "**OK**" or **left/right buttons**. To back to a previous setting page or close the main menu press the "**EXIT**" button.

- **Channel list**

- TV channel list - channel list editor, allows you to delete channels, change their order, create favorite channel lists, rename channels.
- Radio channel list - editor of radio channel lists
- Parental Lock - allows you to set a lock code (default "0000") and customize the services lock
- Play mode - the setting of stable or AV sync
- Delete All - removes all channel lists

- Channel search

- Terrestrial - allows you to search terrestrial TV channels. In the terrestrial scan menu, there is the scan auto/manual, the antenna power settings, and the country of installation.
- Cable menu - allows you to search cable TV.
- LCN - sort by terrestrial provider numbering

- **Language - language settings**

- Language - OSD language setting
- First/Second audio language - sets the default soundtrack
- Subtitle Language - Sets the default subtitle language.
- Teletext - sets the teletext language

- **AV settings - audio-video settings**

- TV System - allows you to select the broadcasting system
- Video Resolution - Select the resolution on HDMI output
  - Aspect Mode - Aspect Ratio configuration
- SCART Out - selecting the signal generated on the SCART output
- Audio Out - allows you to select the output and the type of sound
- Audio Description - enable or only audio description
  - Audio Description volume - setting the volume difference between the audio description and normal audio track

- **Time** - This tab allows you to set the system time, including turning on summertime.

- **SYSTEM**

- Information - shows information about the current firmware version and decoder data
- Factory Settings - restores original settings, deletes data set by the user
- Timer Settings - allows you to set events using Timers
- OSD Settings - allows you to adjust the OSD
- Update - This allows you to update the software or back up the channel lists.
- Standby Settings - Automatic stand-by, stand-by mode, and clock display in standby.
- HDMI CEC Switch - enable disables HDMI CEC support

- **Media Center** - Selecting the media type allows you to view the supported file formats on external media.

- Recording Manager - viewing recorded TV programs.
- DVR Configuration - allows you to enable TimeShift and select an external medium
- HDD Information - shows information about the external medium
- Storage format - allows you to format the external media
- Jump - allows you to adjust the shift using the left / right buttons in multimedia and websites.

- **Network**

- WiFi – allows you to configure the network connection after connecting the WiFi card to a USB
- Network applications - access to network applications

**Attention!** Some websites/network applications available after changing parental lock settings.  
**Attention!** Ferguson reserves that the operation of network services depends on third parties. Malfunctioning of network services is not a condition for initiating the complaint procedure.

- **REC** - recording

- This function only works with properly connected external USB memory!
1. Select a channel and press the REC button. Recording of the current channel starts.
  2. Pressing the REC button again will display an option where you can define the duration of the recording (the default is 2 hours).
  3. The information bar indicates which program you are recording and viewing.
  4. To stop recording, press the STOP button and confirm your decision.

## 8. Troubleshooting

Problem	Potential Cause	What to do?
No picture	No power	Connect the power
	Power strip turned off	Turn on the power strip
The screen shows no signal	No antenna cable connected	Connect the antenna cable
	Incorrect settings	Set the correct settings
No sound from the speakers	Missing or bad connection with audio cable	Connect the audio cable correctly
	Muted sound	Set the volume to an appropriate value
	Incorrect soundtrack	Try a different soundtrack

Audio only (no picture)	The video cable is missing or not connected properly	Connect the video cable correctly
	The program is a radio channel	Press the TV / RADIO button to change to TV mode
	4k channel selected	Change the channel
The remote does not work	The battery is dead	Replace the batteries
Image freezes or has artifacts	The signal is too weak	Strengthen the signal

#### ATTACHMENT A - SPECIFICATION

Main Features		
	STB Type	DVB-T/T2 Receiver
	Main Chipset	MT2203-M2000D
Special Features		
	Encrypt	ASIC Type
	TUNER Type	Silicon Tuner
	SMPS Type	Separate SMPS
Mechanical		
	Dimension	141*95*30mm
	Net Weight	
Main Chip Sets		
	CPU frequency	576M
	Flash Memory	4 MB
	SDRAM Memory	1PC 64MB DDR2
DVB-T tuner		
	Tuner Type	T/T2+C
	Frequency Range	47-862 MHz
	Input Impedance	75Ω
	Active Ant Power	5VDC @ 1500mA MAX, Overload Protection
	Input Level Range	256QAM: 78.5dBm~-8.75dBm; 64QAM:-78.5dBm~-8.75dBm; 128QAM:-80.1dBm~-8.75dBm;16QAM:-82.1dBm~-8.75dBm;
TS Demux		
	Demultiplexer	MPEG2 ISO/IEC 13818-1
	Input Bit Rate	Max 100Mbit/s
Video Decode		
	Video Decode	MPEG-2 MP@ML/HL, H.264 BP (with no ASO/FMO), MP&HP@L3/L4.1/L4.2, AVS Jizhun profile @ L6.0/ L4.0, AVS Broadcast profile@ L6.0/ L4.0, MPEG-4 SP Profile, Advanced Simple Profile@ Level 5 without GMC/Data Partitioning/ Reversible VLC, VC1 SP@ML, MP@HL, <a href="#">AP@L0</a> ~3, H.263 baseline profile, JPEG decoder engine HEVC Main Profile@level 4.1 and Main10 Profile@L4.1,High tier
	Aspect Ratio	4:3, 16:9, auto
	Video Resolution	576i, 576p, 720p, 1080i, 1080p, auto
Audio Decode		
	Audio Decode	MPEG-1/2 Layer I/II/III, MPEG-2/4 LC-AAC, MPEG-4 HE-AAC@Level 4, E-AC-3
	Sampling Frequency	32 kHz, 44.1 kHz, 48 kHz
SCART Output		
	Video Bandwidth	SD:5.0 MHz (-3dB), HD:30 MHz (-3dB)
	Video Impedance	75Ω

	Video Voltage Level	1.0 Vp-p
	Audio Freq. Range	20 ~ 20 kHz
	Audio Impedance	600Ω
	Audio Voltage Level	2V rms(5.6Vp-p)
<b>Environment</b>		
	Input Voltage	5C/1.5A DC
	Consumption	Max 7.5W
	Temperature	0~40°C
	Humidity	<95%

#### **SIMPLIFIED DECLARATION OF CONFORMITY**

Producer:               **Ferguson Sp. z o.o., ul. Dworska 1, 61-619 Poznań**  
 Name:                    **Ariva T75**  
 Device type:           **Digital terrestrial TV receiver**

The above-mentioned product complies with Directive 2014/53/EU of the European Parliament and of the Council of 16 April 2014 on the harmonization of the laws of the Member States relating to the making available on the market of radio equipment and repealing Directive 1999/5/EC.

**Full Declaration of Conformity for download at: <https://ferguson-digital.eu/deklaracje-zgodnosci/>**