



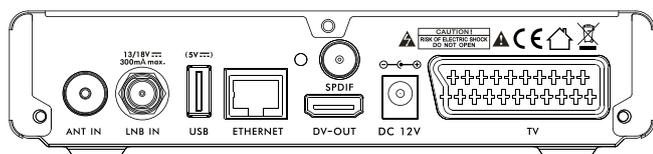
Programmable Remote!

- FTA ONLY
- WEB SERVICES
- DV-OUT
- 3 E-AC-3 COMPATIBLE
- FullHD 1080p
- S/PDIF
- 10 BIT H.265 High Efficiency Video Coding
- SCART PORT

Satellite and Terrestrial TV Receiver

DVB[®] S2 T2

- Compatible with DVB-S/S2, DVB-T/T2 systems
- Reception of high-definition Full HD channels
- Signal upscaling to 720p or 1080p resolution
- Support for teletext and on-screen subtitles
- Support for WebAPPs, DLNA, and internet radio
- ZOOM and slow motion functions
- Support for EPG and LCN
- Parental control support for channels
- Support for TimeShift and program recording
- Support for MPEG-1, MPEG-2, MPEG-4 H.264/VC-1/AVS/VP8/HEVC/H.265 10bit
- Rich selection of ports: ANT In, LNB In, S/PDIF, Ethernet RJ45, SCART, USB



1 2 3 4 5/6 7 8

Rear Panel

1. **ANT In socket**
2. **LNB In socket**
3. **USB port**
4. **Ethernet port**
5. **S/PDIF socket**
6. **HDMI**
7. **Power input**
8. **SCART socket**

Remote Control

The Ferguson Ariva 160 Combo receiver comes with an exceptionally comfortable, intuitive, and programmable remote control, model RCU 161. The remote features all the essential buttons needed to operate the receiver, including a centrally located navigation wheel. Thanks to the button programming function, users can assign their preferred functions to specific buttons, making operation faster and more tailored to their preferences.



4 Programmable Buttons:
**TV POWER, ATV/TV,
 VOL-, VOL+**



1 2 3

Front Panel

1. **LED display window**
2. **CH+/CH-** channel switching without remote control
3. **POWER** button

Description

The Ariva 160 Combo is a modern and efficient **DVB-S/S2** satellite and **DVB-T/T2** terrestrial TV receiver, designed with maximum user convenience in mind. Thanks to **FTA** (Free To Air) support, you can enjoy free-to-air channels in **Full HD** quality without the need for a subscription. Additionally, the device offers internet access, **WebAPPs**, **DLNA**, and **internet radio**, providing much more than just traditional television.

With a built-in **PVR** function, the receiver allows you to record TV programs, and the **TimeShift** function enables you to rewind live TV as you watch. The Ariva 160 Combo can also serve as a media player, supporting a wide range of popular video and audio formats and file containers.

Ferguson Ariva 160 Combo is the perfect solution for those seeking a reliable, functional, and cost-effective way to access TV. Buy now and experience the full potential of home entertainment – without compromises!

Technical Specification

• Main Features

- Receiver Type: Full HD DVB-T2+S2 Receiver with HEVC Support
- Enclosure: Metal
- Interfaces: ANT IN, LNB IN, S/PDIF (COAXIAL), LAN (RJ45), HD-OUT (HDMI), SCART, DC 12V Power Supply
- Main Chipset: ALI M2822
- Flash Memory: 8 MB SPI FLASH
- SDRAM Memory: 128 MB DDR
- Conditional Access: FTA (Free-To-Air)

• DVB-S2 Tuner

- Tuner Type: M3103B (board-mounted)
- Frequency Range: 950–2150 MHz
- Input Impedance: 75 Ω
- LNB Power Supply and Polarization:
 - Vertical Voltage: 13 V DC
 - Horizontal Voltage: 18 V DC
 - Maximum Current Draw: 300 mA
 - 22 kHz Tone (± 0.4 kHz, amplitude 0.6 V ± 0.2 V)
 - Overload Protection

• DVB-T2 Tuner

- Tuner Type: R850 (board-mounted)
- Frequency Range:
 - 177,5–227,5 MHz
 - 474–858 MHz
- Input Impedance: 75 Ω
- Active Antenna Power Supply: 5 V DC / 50 mA (max), overload protection
- Supported Modulations:
 - 256QAM: -78.5 dBm to -8.75 dBm
 - 64QAM: -78.5 dBm to -8.75 dBm
 - 16QAM: -84.1 dBm to -8.75 dBm
 - QPSK: -90.3 dBm to -8.75 dBm
- Bandwidth: 5, 6, 7, 8 MHz and 1.7 MHz

• Video Decoding

- Standards:
 - MPEG2 (ISO/IEC 13818-2 MP@ML)
 - H.264 (MPEG4 part 10) Main/High Profile up to level 4.1
 - MPEG-2 MP@HL
 - H.265/HEVC
- Aspect Ratios: 4:3, 16:9
- Video Resolutions: 1920×1080, 1280×720, 720×480

• Audio Decoding

- Standards: MPEG-1 Layer I/II, PCM downmix, IEC958 SPDIF
- Audio Modes: LEFT, RIGHT, STEREO, MONO
- Sampling Rates: 32 kHz, 44.1 kHz, 48 kHz

• Environmental Conditions

- Power Supply: DC 12 V
- Maximum Power Consumption: ≤ 12 W
- Operating Temperature: -5°C to 45°C
- Storage Temperature: -40°C to 60°C
- Humidity: <95%
- Certification: CE

• Software Features

- Supported Video Formats (MPEG): MPEG1/2/4/H.264/VC-1/AVS/VP8/HEVC
- PAL/NTSC Conversion: Automatic
- Channel Capacity: Up to 2000 TV and radio channels
- Favorite Groups: 8 favorite groups
- OSD Languages: Multilingual on-screen menu
- EPG: Support for up to 7 days of program information
- Color OSD: 16-bit on-screen menu
- Channel Search: Automatic or manual
- Channel Editing: Favorites, move, lock, rename, sort
- Parental Control: Lock selected channels
- Easy Menu: Intuitive interface
- Software Update: Via USB port
- Time Settings: Automatic (GMT) or manual, daylight saving support
- Timer: Auto on/off based on settings (various options)
- Subtitles: DVB EN300743 and EBU
- Teletext: DVB ETS300472 via VBI or OSD
- Last Channel Memory: Automatic return to the last watched channel
- LCN: Logical Channel Numbering support
- Games: Tetris, Othello, Sudoku
- USB Drive Support: FAT16/FAT32/FAT12
- Media Player: MP3, JPEG, BMP, OGG
- Recording: Default 2 hours (adjustable), subtitle support, recording of scrambled channels and decryption during playback
- Recording File Management: Lock, delete, rename, preview, view recording information
- Playback Features: Play/Pause/Stop/Step
- Timeshift: Fast forward/rewind (2x/4x/8x/16x/24x), slow motion (1/2, 1/4, 1/8), create and jump to bookmarks

• Mechanical Design

- Rear Panel
 - ANT IN: IEC Connector (female)
 - LNB IN: F Connector (female)
 - SPDIF: COAXIAL Socket
 - LAN: RJ45 10/100M Ethernet
 - HD-OUT: HDMI 1.4 (19-pin, female)
 - SCART: CVBS, Audio L/R
 - POWER: DC 12V power supply socket
- Front Panel
 - 9L Type Enclosure
 - IR: 38 kHz Infrared Receiver
 - Buttons: Up, Down, Standby
 - Display: 4-digit 7-segment display (green color)
- Device Dimensions: 170 mm (L) × 110 mm (W) × 34 mm (H)

• Accessories

- 2 × 1.5 V AAA Batteries (for remote control)
- User Manual



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