

ELIUM

IRD 3040 Broadcast-Radio

DAB+ FM



The **IRD 3040** is a professional bidirectional audio decoder with excellent **DAB / DAB + and FM radio** reception features, with Internet radio support and app support. This device is designed for the broadcast sector and has **XLR interfaces** as well as **AES output** options.

The **Ingest Control feature** provides DAB / DAB + as well as FM reception. This will give the user an excellent presentation of the **monitoring** programs. The output succeeds by the HDMI interface.

In addition to the audio connections, the device has Ethernet interfaces. With this Ethernet interface it is possible to **control the whole device via the web server** option.

The integrated **Ethernet and RS-232 control option** give the option to control the **IRD 3040 bidirectional** and enables an optimal integration into existing control systems.

The Ethernet and RS-232 interface grant the user to consult program name (program logo), program information, EPG information ect..

Through **the open GUI** (Graphical User Interface) with **custom HTML 5** is it possible to design / edit **customized user interfaces** (wallpapers, logos, menu layout and design, content, etc.).

The devices are designed by high-quality components for **continuous operation** and are **developed and produced in Germany**.



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Features:

- DAB / DAB+ and FM Singletuner
 - HDMI - 1080i/p - 720p - 576p
Automatic monitor adjustment of the resolution or resolution adjustable
 - Integrated Webserver for administration and control
 - AES - BNC
 - AES - XLR - 3pol.
 - Analog Output balanced Stereo - XLR 3pol.
 - Bidirectional control via RS-232 / Ethernet
 - Network connction via Ethernet-Port
 - Grafical Display 192 x 32 pixel shows all technical information like, progarm name, Dynamic lable, antenna signal: RSSI, SNR...
All settings can be done via the Frontpanel
 - HTML5 based OSD to support changes of background, program logo/-namen, etc.
 - Servicebutton to turn the display and front panel off (commissioning of more then one device)
 - Termo controled fan (Power supply and System)
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- Ingest Control-Function with up to 12 channel



Optionale Features:

- Analog Output balanced Stereo - 5 pol. Phoenix
- Analog Output unbalanced Stereo - 2 x RCA
- Analog Output unbalanced Stereo - 3,5 plug jack L/R
- GPIO - for alarm function - 5 pol. Phoenix
- Redundant power supply with automatic changeover
- Remote control

Technical Data

Input options DAB / DAB+ and FM	<ul style="list-style-type: none"> • DAB / DAB+: Frequency range: 174,160 - 239,968 Mhz • FM: Frequency range: 87,5 - 107,9 Mhz F-Connector/ 75 Ω Impedanz
Control	<ul style="list-style-type: none"> • Frontpanel (to control the hole device) • <i>IR remote control optional</i> • RS-232 control- 9pol. D-Sub connector (Front- & Back) • Ethernet 100 Mbit - IEEE 802.3 • WebServer
Information	<ul style="list-style-type: none"> • Frontpanel grafical Display 192 x 32 pixel • EPG including Event Information (depending on Provider) • DLS Informatien (depending on Provider) • Device information: OSD incl. CA Information, Audio and Video Information, Receiver Status, Service Information... • Ingest Control-Function for up to 12 channel • <i>GPIO - Alarm function - 5pol. Phoenix optional</i>
Output options	<ul style="list-style-type: none"> • Video HDMI - 480i/p, 576i/p, 720i/p, 1080i/p Image format: 4:3, 16:9 • Audio Analog Output balanced Stereo - 2 x XLR 3pol. AES - BNC 75 Ω AES - XLR 3pol. <i>Audio Analog Stereo unbalanced - 2 x RCA 75 Ω optional</i> <i>Analog Ausgang balancedStereo - 2 x 5pol. Phoenix optional</i> <i>Analog Ausgang unbalanced Stereo - 2 x 3,5 jack plug L/R optional</i> Decoding: MPEG-1/2 Layer I und II, WMA bit-Streams, RM, FLAC, Mpeg-1 layer 3 (MP3) MPEG4 HE AAC v2, language setting option (depending on Provider) • Power supply Power supply 110 - 240 V AC <i>Redundant power supply optional</i> • Technical Connection/Function RS-232 for Support on front panel Service button (Front and Back)
Physical	<ul style="list-style-type: none"> • Dimensions: 19" 1HE (485 /440 x 275 x 44 mm) • Weight: 3,6 Kg • Voltage: 110 - 240 V AC • Power: 25 W max • EMC: EN 50083-2 • Secure: EN 60950-1 • Environment: ETSI EN 300019-1-3 Class 3.1 <div style="text-align: right;">ver.01</div>