

### New Software Version 1.25.0.157

#### Changes since software V1\_16\_0\_120

##### New features in 1.25.0.157

- Improvements in web interface
  - Unicast

The Unicast menu includes the channel list and favourite list management in one place. The generated favourite list will be available as M3U list and DLNA list for Unicast clients. There is also a new feature allowing to download a channel list for different satellites online.

Option to provide the M3U list in HTTP or RTSP (RTP/UDP) format.
  - Multicast

With the multicast playlist editor in the new multicast menu the user can now easily setup a multicast based on the main channel list.
  - Channel search

Instead of using a predefined channel list or uploading a channel list in the Unicast menu, it is now possible to do create the main channel list from an automatic or manual channel search.
  - Network

Current network speed is displayed.
  - SAMBA

In the SAMBA menu it is possible to deactivate the SAMBA master browser function of the server, in case there is already another SAMBA master browser in the network.
  - Help

A help page is now available for most menus in the web interface by clicking on the '?' in the upper right corner or pressing F1 on the keyboard.
  - Monitor and Log

These pages provide information about stream bitrates and for debug.
- General improvements of stability and performance
- Support for Unicable II / dCSS (EN50607)
- Default channel list has been updated

##### Bug fixes in 1.25.0.157

- SAT>IP server was not working with TVheadend software. This has been fixed.
- Sometimes the SAT>IP server was not reachable, if the network cable has been plugged after the SAT>IP server did already boot-up.
- Some special character did not work for the login password. Now the password support all characters from character set ISO-8859-1.

## **New Software Version 1.16.0.120**

### **Changes since software V1\_13\_0\_105**

#### **New features in 1.16.0.120**

- SAT>IP protocol 1.2 compliance
- Unicable configuration  
It is now possible to select the user band in the antenna menu in Unicable mode and also to use only one, two or three user bands.

#### **Bug fixes in 1.16.0.120**

- Auto IP was not working when connecting directly to a PC (without Switch or Router)
- The SAT>IP server was not discovered in the network with some routers, if it was connected to the router after boot-up

## **New Software Version 1.13.0.105**

### **Changes since software V1\_12\_0\_96**

#### **New features in 1.13.0.105**

- SAT>IP protocol 1.2 compliance
- IGMP support for Multi-cast
- Autonomous Multi-cast streaming

#### **Bug fixes in 1.13.0.105**

- Gateway address is not respected in manual configuration
- Connecting more than 4 Elgato clients may crash the SAT2IP server
- Specific IP address range is not working with manual configuration
- RTSP list should be deleted if the Multibox is reset (more than 10sec.)
- Multicast playlist unavailable while streaming multicast from playlist
- IGMP streaming should have an option to generate SETUP or SETUP/PLAY request
- After transponder change PAT from previous transponder is received

## New Software Version 1.12.0.96

### Changes since software V1\_10\_0\_80

#### New features in 1.12.0.96

##### Samba server

A samba server is now implemented in the Multibox. It makes all partitions of a connected USB mass storage device available in the network.

##### New web interface with multi language support

The layout of the web interface has been improved and it now supports German and English language.

##### Upload and sharing of M3U channel list

It is now possible to upload and share a M3U channel list on the Multibox. This allows clients to access the Multibox and retrieve TV and radio channels easily. The M3U channel list is available under **http://<device name>:8080/m3u** or **http://<IP-address>:8080/m3u**.

You can find M3U channel list for different satellites at [www.inverto.tv](http://www.inverto.tv).

##### Energy saving features

Different mechanisms to reduce the power consumption if no or not all clients are used have been implemented:

- Unused hardware resources get switched off
- LNB power is switched off if input is not used (quad mode) or no client is connected (Quattro and unicable mode)
- The Multibox sends a command to the unicable multi switch or LNB to disable the user band if it is no more used (ODU power off)

#### Modifications in 1.12.0.96

##### Default device name has been changed

In version V1\_10\_0\_80 the device name had been set to “myMultibox-XXXXXX.local”, where XXXXXXXX represents the last 6 digits of the device MAC address. The default name changed now to “**Multibox-XXXXXX.local**”.

This was needed, because the samba function now only allows a device name of maximum 15 characters.

##### Automatic frontend allocation switch off

It is now possible to deactivate the automatic frontend allocation to the clients in the antenna menu. This allows experienced users to receive a stream from one frontend with multiple clients (multicast).

##### Network menu shows now the current IP settings in use

It is now possible to see the current used IP settings in the network menu also if they had been assigned by DHCP.

#### Bug fixes in 1.12.0.96

##### Not possible to login to web interface when cookies are disabled

It was not possible to login to the web interface, if cookies were disabled. This has been fixed.

##### Translation, misspelling and special character

Missing translations, misspellings and wrong display of special characters have been fixed at different locations.

##### Browser compatibility

The compatibility of the web interface for different browsers and browser versions has been improved, especially around the channel list management and software update.

We recommend using the following minimum browser versions:

Firefox (19.x.x), Chrome (24.x.x.x), Internet Explorer (10.x), Safari (5.1.x)

#### Possible to do local firmware update with wrong file

It was possible to do a local firmware update with a wrong file, that is only needed during the USB update. The result was that the Multibox did not start any more and a USB update had to be done to recover it. This has been fixed and now it is only possible to upload the correct firmware file.

#### Network LED was not switched off

The network LED on the front panel was not switched off, even if the network connection was down.

#### Streaming did not work when network address was set to 10.10.10.0/24

This problem has been fixed.

#### RTSP describe without session id could crash the server

This problem has been fixed.

#### Host name change has not been seen by UPnP devices and Windows

This problem has been fixed.

#### Multibox could hang up after certain time of usage with certain routers

This problem has been fixed.

## **New Software Version 1.10.0.80**

### **Changes since software V1\_3\_0\_80**

#### **New features in 1.10.0.80**

##### Static IP configuration

The IP address can be set to static IP, in order to be run in systems without a DHCP server available.

##### Editing of LOF frequencies

The LOF frequencies can be edited manually, to work with C-Band or special LNBs.

##### Editing of host name

Device name can be edited and set to any user defined value.

Please be aware that special characters might not be supported by all clients and networks.

#### **Modifications in 1.10.0.80**

##### Default device name has been changed

In the past the device name had been set to "Multibox-XXXXXX.local", where XXXXXX represents the last 6 digits of the device MAC address. The default name changed to "**myMultibox-XXXXXX.local**".

Please note that you need to reset your Multibox to enable this.

##### DLNA channel list has been updated

The DLNA channel list for German market has been updated to adopt the latest changes.

Please note that you need to reset your Multibox to enable this.

## **New Software Version 1.3.0.80**

Initial Release