

miraclebox premium

Miraclebox

miraclebox

premium twin hd

User Manual

Miraclebox Premium Twin HD

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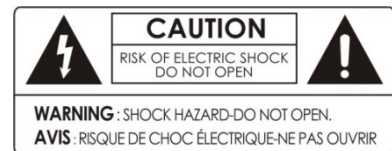
1. Before installation

1. Safety Precautions

This product has been manufactured to act in accordance with the international safety standards. Please read through the safety instructions carefully before using this product as the manufacturer takes no responsibility for any damages due to the consumer's misuse of the product.

1. Power Supply

- Use this product with the type of power supply that is indicated on the marking label. Its operating range is AC 90V~250V and 50/60Hz.
- Use an outlet that has ground fault protection.
- Do not overload a wall outlet, extension cord or adapter as this may result in electric fire or shock.
- Keep the power cord away from any heating.
- If any of the following occur, unplug the product from the outlet and contact authorized service personnel:
 - The power cord or supply is damaged
 - Liquids of any kind have been exposed to the product
 - The product has been dropped or the casing has been damaged
- If the product won't be used for a long period of time, please unplug it.



2. Exposure and Placement

- Only operate the product in moderate temperatures.
- Place the product indoors to avoid exposing it to lightening, rain or direct sunlight.
- Do not use this product near any flammable or explosive gases as this increases the risk of explosions.
- Unplug the product and disconnect the LNB cable during a thunderstorm or when left unattended and unused for long periods of time. This will prevent damage to the product due to lightening and power-surges.
- Do not put any alien items into or block the slots or ventilation openings of the product. This can cause damage to the product and reduce the life span.
- Do not expose any liquids or sources of open flame (such as candle).
- Do not place the product near any heat emitting appliances. This may cause impairment in cooling.

3. Ventilation

- Always make sure the product has enough space around it for ample ventilation and heat transfer.

- Do not place the product in a closed space (such as a cabinet) without suitable ventilation.
- Be sure to place the product more than 10 cm away from any appliances that are exposed to electromagnetic influences, such as a TV, Blu-ray or a DVD.
- Do not use any attachments or accessories that are not recommended by the manufacturer. This may cause hazards to the product, and will void the warranty.

4. Installation and Maintenance

- Before connecting or disconnecting the coaxial cable to the product, make sure that the product is unplugged. Failure to do so may cause damage to the Miraclebox.
- The LNB cable must be earthed to the system earth for the satellite dish.
- Before connecting or disconnecting the cable from the TV, make sure that the product is unplugged. Failure to do so may cause damage to the TV/Miraclebox.
- Before cleaning the product, be sure that the product is unplugged.
- Do not operate this product or hold the power cord with wet hands as the risk of getting electronic shock is very high.
- Use a damp cloth (do not use any solvents) to clean the exterior of the product.

5. Hard Disk Drive

- Do not move the product or turn the power off suddenly while the Hard Disk Drive is still running. This may result in damage to the HDD and thus the system.
- The company shall not be liable for any corruption of data on the HDD caused by careless use or misuse of users.

6. Warranty

Be aware that any adjustments other than what is specified here will void your warranty. Attempting to modify the product may result in fire, injury, electric shock, or other severe damage to you or the product and the warranty will be void.

7. Disposal



This product should not be disposed with other house hold wastes at the end of its working life. Please separate this from other types of wastes and recycle it responsibly to promote the sustainable reuse of material resources. This will help prevent harm to the environment or human health from uncontrolled waste disposal.

2. Packaging Contents



Please check all package contents before using your product.

- Miraclebox Premium Twin
- Universal Remote Control
- Batteries (2 x AAA)
- HDMI cable
- WiFi adapter 300Mbps
- Power cable
- User Manual

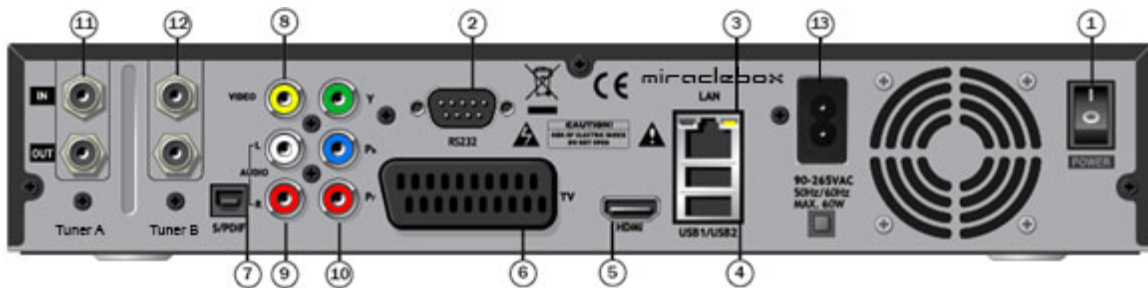
3. Product Description

Front Panel



- 1) **Smartcard reader slot:**
Insert your smart card operator cards. (Two slots)
- 2) **CI module slot:**
Insert your CI-module. (Two slots)
- 3) **USB 2.0:**
Connection used for upgrading receiver, external HDD, WiFi etc.
- 4) **VFD Display:**
Displays channel, upgrade and menu information.
- 5) **OK:**
Confirms the selected menu option.
- 6) **CH-:**
Shows channel list, switches to previous channel.
- 7) **CH+:**
Shows channel list, switches to next channel.
- 8) **VOL-:**
Lowers the volume.
- 9) **VOL+:**
Increases the volume.
- 10) **Power:**
Put your receiver into Standby mode.

Rear Panel




- 1) **Power switch:**
Power ON/OFF switch.
- 2) **RS-232 port:**
RS232 port for data transfer.
- 3) **Ethernet:**
Connect your Miraclebox to your Network/LAN.
- 4) **USB:**
Two USB2.0 connections are available for external storage or WiFi-adapter.
- 5) **HDMI:**
HDMI-connection for best picture and sound. Up 1080 in resolution.
- 6) **SCART:**
Connect to an older TV, VCR etc.
- 7) **S/PDIF:**
Connect to a digital surround system using an optical cable (S/PDIF).
- 8) **Video:**
Video output using RCA-cable. (Analogue)
- 9) **Audio:**
Audio output using 2xRCA-cable. (Analogue)
- 10) **Component (YPbPr):**
Connect using a component cable.
- 11) **Tuner A:**
First tuner. Supports DVB-S2/C/T2. 1x In, 1x Out.
- 12) **Tuner B:**
Second tuner. Supports DVB-S2/C/T2. 1x In, 1x Out.
- 13) **Power cable:**
Connect the included power cable here.

4. Remote Control

Please check page 50 for how to setup the TV mode.

TV/STB Puts the Remote in TV or STB mode.

-  Press to go into Standby / Standby options.
- 0-9** Used for entering channel number and text.
- PREV** Go to Previous Channel in History.
- NEXT** Go to Next Channel in History.
- EPG** Shows the EPG for all / current channel.
- FAV** Show the Favorite Lists available.
- MENU** Go to Main Menu / Menu for current function.
- EXIT** Exit current Menu or Window.
- OK** Confirms the option.
- INFO** Shows more information.
- MEDIA** Show recordings. Long press goes to MediaPlayer.
- BACK** Shows Channel History.
- VOL+/-** Increase or Lower the Volume.
- CH+/-** Change channel to Next / Previous.
- MUTE** Mute the sound.
- COLOR** Color buttons for different operations.
- ◀◀/▶▶** Fast Forward / Rewind. (x2/4/8/16/32/64/128).
- ▶II / ■** Play / Pause / Stop Timeshift or Media playback.
- Start a recording / Show recording options.
- TIMER** Go to Timers / Timer overview.
- WEB** Go to Web browser.
- PLUGIN** Go to Plugins menu.
- AUDIO** Show available Audio tracks.
- PIP** Picture in Picture.
- SUBT.** Shows subtitles if supported.
- SLEEP** Go to Power Timers.
- TEXT** Shows Teletext if supported.
- TV** Go to TV mode.
- RADIO** Go to Radio mode.
- HELP** Shows HELP menu in TV mode.



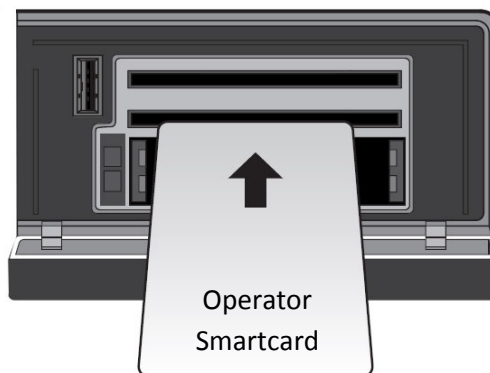
5. Conditional Access

Amongst the channels that are scanned via Miraclebox, some channels can be properly tuned in only with the corresponding Smartcard and/or CAM (Conditional Access Module). Miraclebox Premium provides two Smartcard Reader slots and two Conditional Interface slots and users need to purchase those Smartcards and CAMs that are required for viewing such subscription based services.

Insertion of Smartcard

Please check www.miraclebox.se for which smartcards your Miraclebox supports.

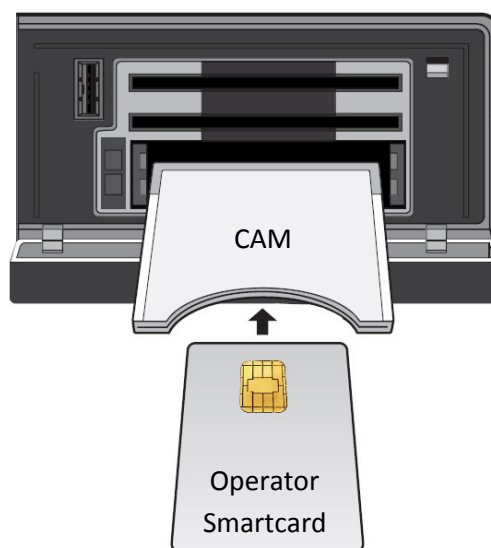
1. Open the door on the right side.
2. Insert with chip downward and forward.
3. Keep smartcard inserted while watching scrambled channels.



Insertion of CAM (Conditional Access Module)

There are several Conditional Access Systems (CAS) that Miraclebox supports. To watch channels that are encrypted in NDS, Conax, Viaccess, etc, users need to purchase a CAM that is corresponding to each CAS as well as Smartcard to decrypt those channels.

1. Insert a Smartcard into the CAM.
2. Once the Smartcard inserted into the CAM, insert the CAM into the CI slot as picture.
3. Make sure that the CAM remains inserted while viewing.

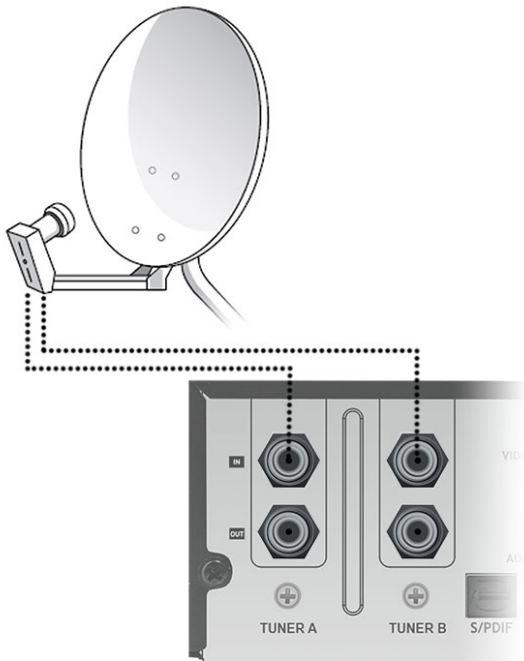


6. Main Features

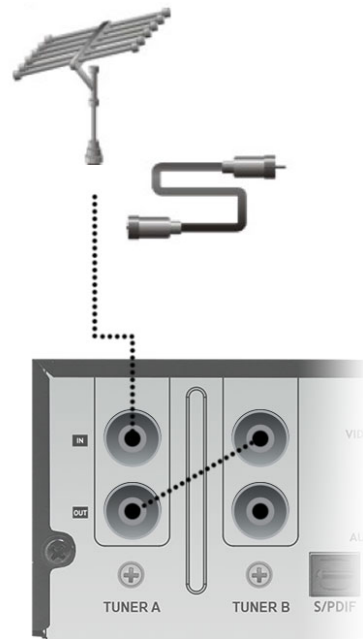
- Fast Dual Core MIPS Processor
- Twin Changeable Tuners (DVB-S2/C/T2)
- Linux Operating System
- HbbTV / Webbrowser support
- 2 x Smartcard Readers
- 2 x CI slots
- Picture in Picture (Dual Hardware decoding)
- MPEG2 / H.264 Hardware Decoding
- User Friendly Extended EPG
- VFD Display (11 Characters)
- 512MB Flash / 512 DDR3 DRAM
- Ethernet 10/100 Mbit
- 3 x USB 2.0 (1 x Front, 2 x Rear)
- Wireless LAN included (300 Mbps)
- Internal SATA HDD supported
- Timeshift / Recording / Playback
- HDMI with Full HD 1080p support
- 1 x Composite Video (RGB), 2 x RCA Audio
- 1 x Component Video (YPbPr)
- 1 x SCART
- S/PDIF Digital Audio Output (Optical)
- Dolby Digital Plus supported
- Easy Installation Wizard with Autoconfiguration
- DLNA support (Server / Client)
- App for iOS and Android support
- Eco-mode - Standby 1W
- Media Player (AVI, MKV, DivX, Xvid)
- Downloadable Plug-ins & Upgrades
- Skin / Theme change supported (HD)
- Automatic, Blind and Manual Scan support
- Universal Remote Control (TV / STB)

2. Connecting your Miraclebox

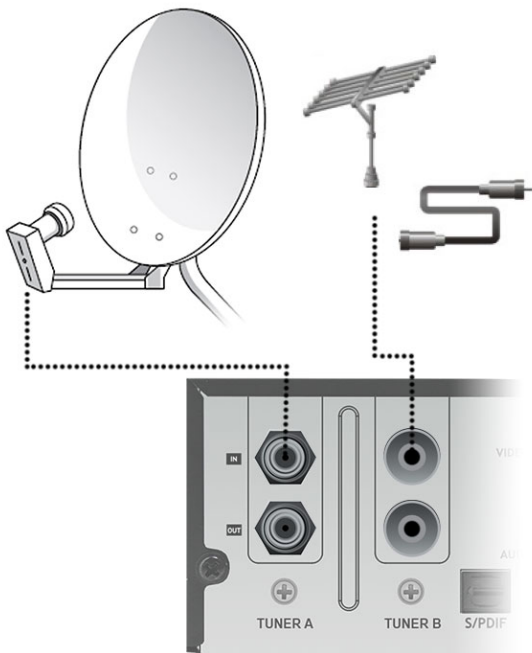
1. Connecting the Signal cable



A. Connecting to Satellite (2 x DVB-S2)



B. Connection to Antenna/Cable (2 x DVB-C/T2)

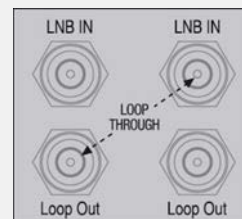


C. Connecting to Satellite and Antenna/Cable (DVB-S2 + DVB-C/T2)

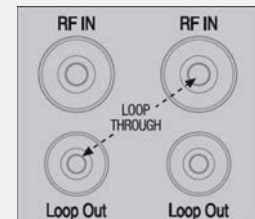
NOTE: Loop-through connection

Instead of using two separate signal cables (Satellite needs two separate cables), it is also possible to connect cables in loop-through mode.

Satellite



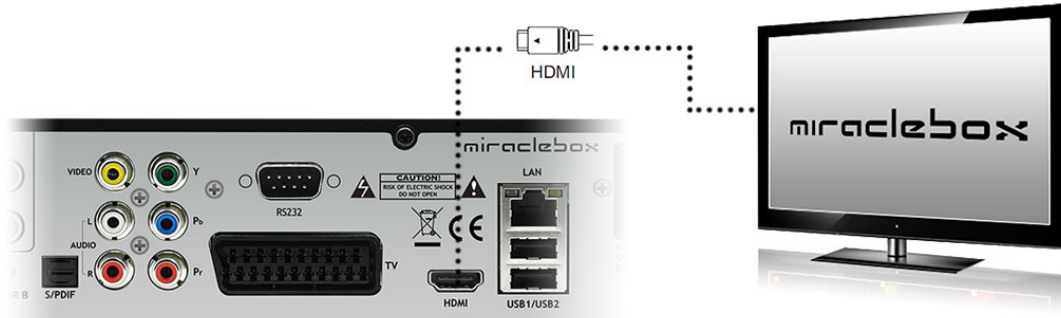
Cable / Antenna



2. Connecting to TV

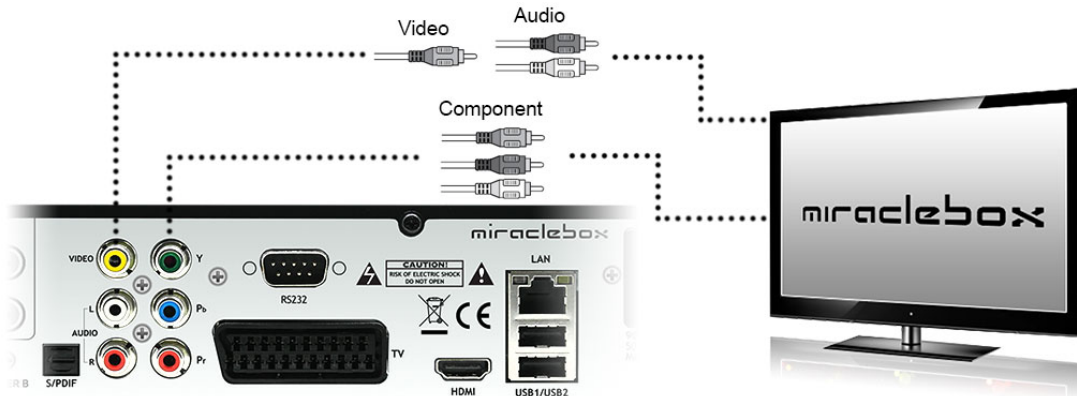
A. Via HDMI

For the best picture and sound quality HDMI connection is recommended.



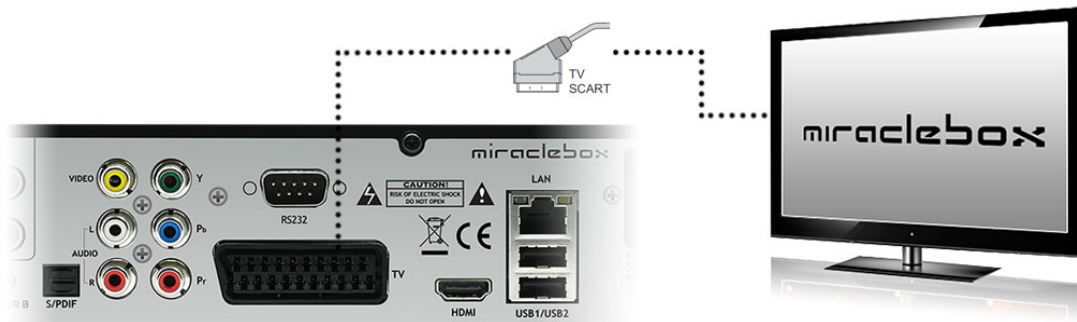
B. Via Composite (RCA) and/or Component (YPbPr)

Composite: Video (Yellow) and two Audio (White/Red). Component: (Blue/Red/Green).



C. Via SCART

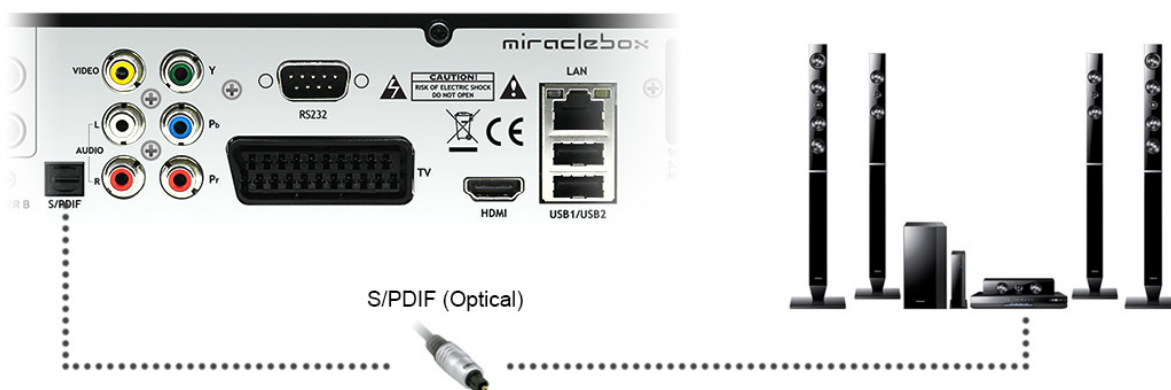
If you have an analogue TV or VCR, SCART cable is the most common method.



3. Connecting to a Surround System

A. Via S/PDIF (Digital)

Use an S/PDIF cable (optical) for the best possible sound experience. This is the option if you want a digital Dolby Digital sound.



B. Via RCA (Analogue)

If you do not have an S/PDIF input in your Surround System you can always use the two RCA Audio output connections (Red/White). This option only gives you an analogue sound quality (Stereo).



4. Connecting Power

A power cord is provided as one of the basic accessories of Miraclebox.

1. Connect the power cord to the connector at the rear panel of your Miraclebox.
2. Connect the power cord to a power outlet.
3. Turn on the power switch at the rear panel of the Miraclebox.

NOTE: AC input condition

- Nominal Voltage: 100 – 250 VAC
- Maximum Voltage: 90 – 264 VAC
- Nominal Frequency: 50 / 60 Hz
- Maximum Frequency: 47 – 63 Hz

5. Power ON/OFF

There are several ways to turn ON or OFF your Miraclebox Premium.

- **Complete Power Shutdown**

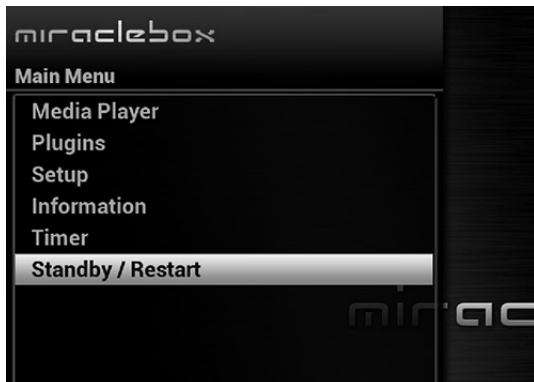
There is a Power Switch on the rear panel and once it is ON, you do not need to turn it on or off each time. It takes longer to boot the system by this method.

- **Standby Mode**

Turn ON/OFF the Miraclebox with the POWER button on the remote control or the front panel. If you press the POWER button it instantly puts your Miraclebox into Standby mode. In this mode, the system is not completely shut down which means it will boot in just a couple of seconds.

- **Deep Standby Mode [Menu > Standby/Restart > Deep Standby]**

Deep Standby is used to reduce the standby power consumption. Miraclebox is designed to be energy efficient and to guarantee the power consumption to be under 1W in this mode. Notice that booting will take much longer compared to normal Standby mode.



3. First Time Installation (Installation Wizard)

When you turn on your Miraclebox Premium for the first time you will see a unique easy Installation Wizard (with Autoconfiguration) to get started as fast as possible. Just follow the steps on your screen and you will be ready to go within a couple of minutes!

1. Language selection

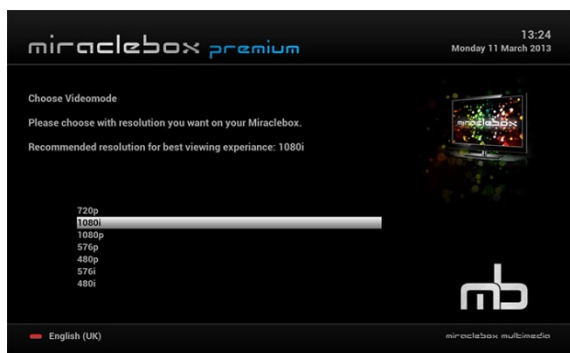
Miraclebox provides support for various of languages. In this step you can select the main language for your Miraclebox by pressing the **UP/DOWN** buttons to scroll to find the language that you want to use.

Miraclebox Premium currently supports 33 languages.



2. Video output

In this step you shall choose Video output connection and wanted resolution.



A. Video connection

Choose whether you are using a HDMI, SCART or Component cable.

B. Video resolution

Choose which resolution you want to have on your TV.

1080i is strongly recommended for best quality and performance.

IMPORTANT! If the picture gets outside of the TV frame please choose *Full* or *Zoom* on your TV picture settings instead of *16:9* or *4:3*.

3. Network configuration

This is the step for configuring your Network connection. You can choose between LAN connection for wired networks or WLAN connection for wireless networks (need the included Miracle WiFi adapter).

If you don't wish to use a network connection choose "Exit network wizard" to go to the next step.



A. Wired connection (LAN)

If there is a network cable connected to the Miraclebox you should choose this method. You will get two options:

- *Use interface*
Choose YES to either use DHCP or enter an IP-address manually.
- *Use DHCP*
YES: You will be assigned an IP automatically from your network router.
NO: Enter the IP-address, Gateway and Netmask manually.

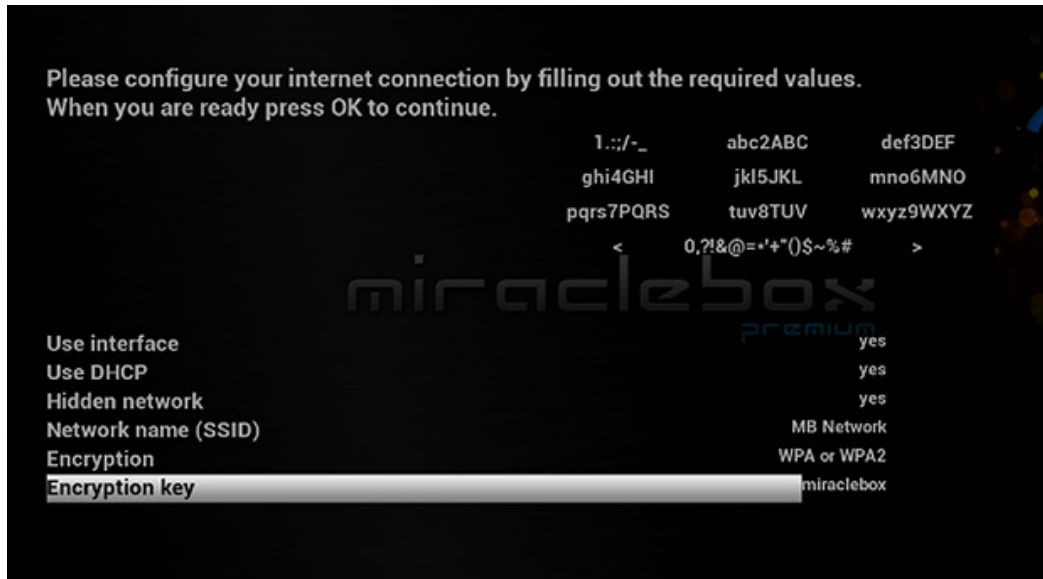
Press OK to active the network connection. If the connection was established successfully the following should appear.



B. Wireless connection (WLAN)

If the included 300 Mbps Miracle WiFi adapter is connected you can use to connect wirelessly to your Network.

1. Select “Scan available networks” to scan for available wireless networks.
2. Select the wireless network you want to connect to by pressing OK.



3. In this step you are requested to enter the network information before establishing a connection. You will see the following options:
 - *Use interface*: Choose **YES** to enter possible Security keys etc.
 - *Use DHCP*: Choose **YES** to be assigned an IP automatically from your network router. Choose **NO** to enter the IP-address, Gateway etc manually.
 - *Hidden network*: If the network is hidden choose **YES**, otherwise **NO**.
 - *Network name (SSID)*: This will be filled automatically if the network isn't hidden. If hidden enter the SSID of the network you want to connect to.
 - *Encryption*: Choose the encryption type of the wireless network. **WEP**, **WPA**, **WPA2** or **Unencrypted** if the network isn't secured.
 - *Encryption key*: Enter the Security key to connect to your wireless network. This key can be entered either with the **NUMERIC** buttons or press **TEXT** to enter the Virtual Keyboard mode.

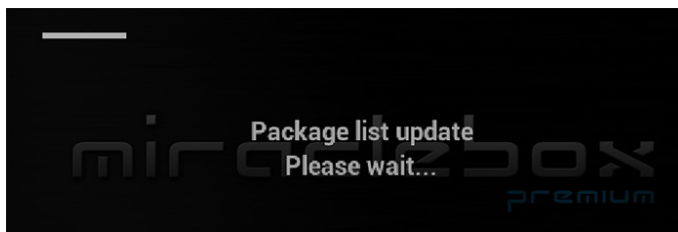
Press OK to activate the network connection. If everything is correct you should be displayed the IP-address and network status and information.

C. Check for updates*

**This step will only appear if there is a working Internet connection established.*

Yes, please check for updates
No, skip this step

If you want to check for available online updates for your Miraclebox please choose proceed. The receiver will then check for updates.



If there are updates available you can choose to upgrade the Miraclebox before you continue to the next step in the Installation Wizard. Please refer to the options given on your TV screen.

If no updates are found the Miraclebox will automatically proceed to the next step.

4. Service searching

It is now time to configure the tuners and search/install channels into your Miraclebox. To cover both DVB-S2 (Satellite) and C/T2 (Cable or Terrestrial) we chose S2 for Tuner A and C/T2 for Tuner B in the following example.

A. Configuring Tuner (DVB-S2)

We start by configuring the first tuner that is installed in the receiver – Tuner A.



In our example we have installed a satellite tuner (DVB-S2) as Tuner A. If you have a DVB-S2 tuner as Tuner B also, please use same instructions. For information on how to configure your DVB-C/T2 tuner please continue to the next page.

- *Configuration mode*

Simple: This is the most common choice. Used for DiSEqC, Positioner etc.

Loophrough to: Choose if you wish to get the signal from the second tuner.

Equal to: Choose if the selected tuner has the same configuration as the second.

Advanced: Used for advanced users.

Not configured: Choose if there is nothing connected the tuner.

- *Mode*

Single: Choose if there is only one satellite connected.

DiSEqC A/B: Choose if you have two satellites connected via a DiSEqC switch.

DiSEqC A/B/C/D: Choose if you have up to four satellites connected.

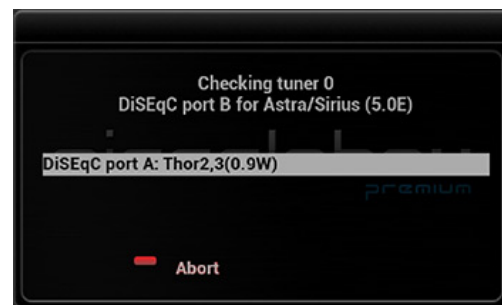
Toneburst A/B: Used for Toneburst switches.

Positioner: If you have a Positioner/motor this is the choice.

- *Port A-D*

Choose which satellite that is connected on each port. Miraclebox Premium offers you a unique *Automatic* function that will find your DiSEqC settings automatically.

(Works only for Thor 0.8°W, Sirius 4.8°E, Hotbird 13°E and Astra 19.2°E.)

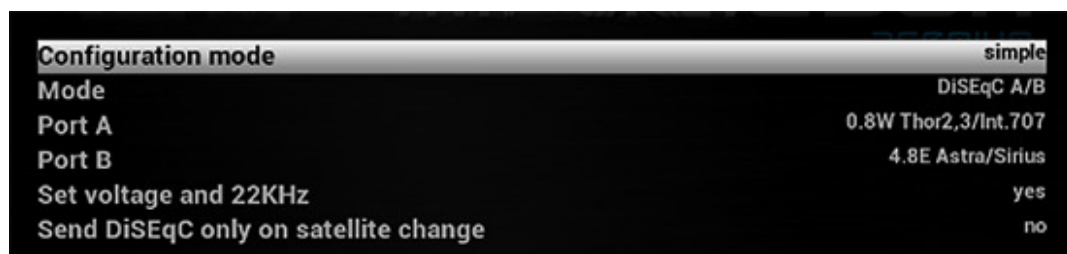


- *Set voltage and 22KHz*

(Only if DiSEqC is chosen in *Mode*) Should be YES as default.

- *Send DiSEqC*

Should be NO as default.



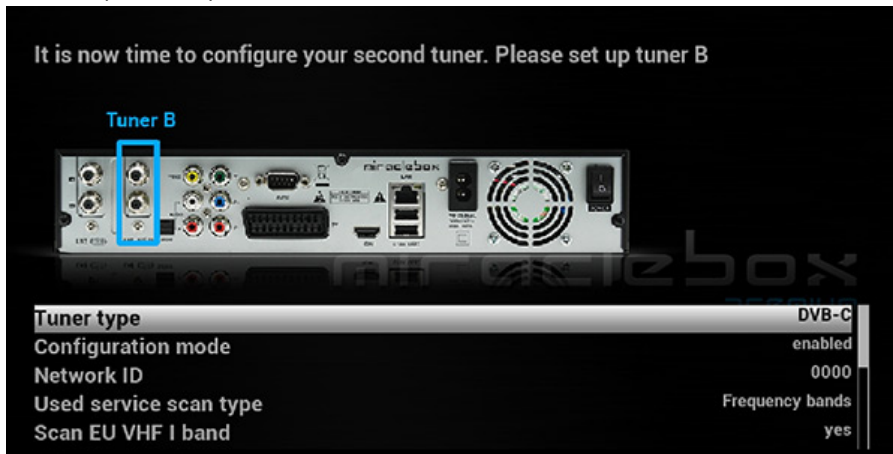
Press OK when you are ready to proceed to configure the second tuner installed.

NOTE: If you have chosen to automatically scan your DiSEqC settings, Miraclebox will first scan and then display the found DiSEqC ports. If correct proceed with OK.

B. Configuring Tuner (DVB-C/T2)

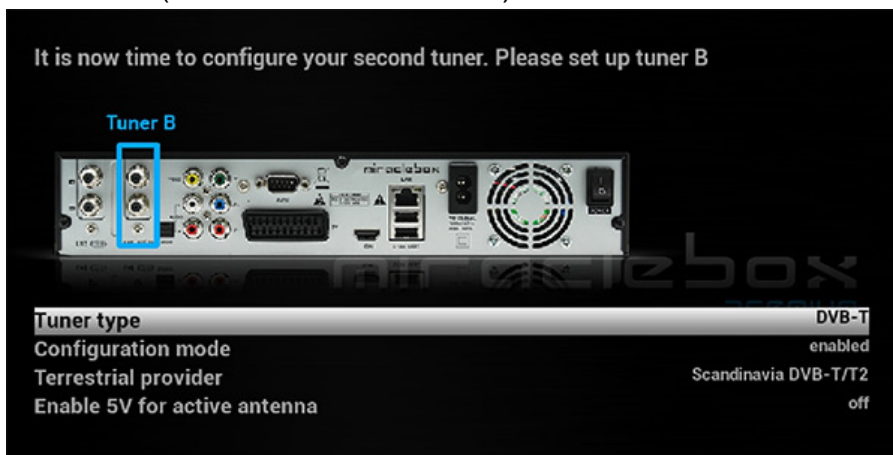
Miraclebox Hybrid tuners (DVB-C/T2) can be used with either Cable or Terrestrial networks. Choose which one with the LEFT/RIGHT buttons on *Tuner type*.

Cable (DVB-C)



- *Network ID*: Enter the Network ID if needed.
- *Used service scan type*: Choose *Frequency bands* or *Frequency steps* depending on your cable network provider.

Terrestrial (For both DVB-T and T2)



- *Terrestrial provider*: Choose your local area.
- *Enable 5V for active antenna*: Choose *ON* if you have an active antenna.

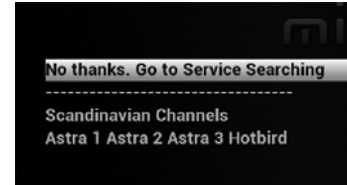
Press OK to proceed to Service Searching or Channel list downloading when you have finished configuring the selected Tuner.

NOTE: If you have a receiver with two DVB-C/T2 tuners you can choose to have the first tuner for DVB-T/T2 and second for DVB-C or vice versa.

C. Installing a Channel list*

*This step will only appear if there is a working Internet connection established.

In Miraclebox you can choose install Channel and Favorite Lists directly from Miraclebox.se. You will see a list of available channel lists. Select the list you want to install and press OK. If you don't, proceed to Service searching.



D. Service Searching

In this step you can make an Automatic or Manual channel searching/scanning. You will see three options:

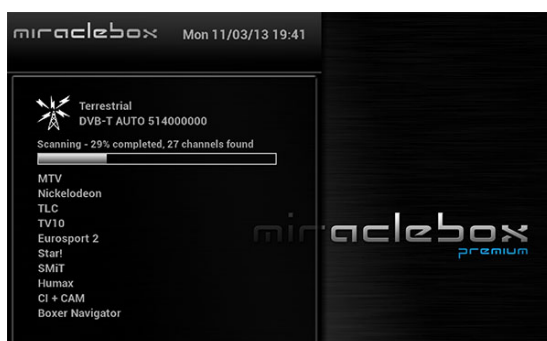


- *No, scan later manually*: If you have chosen to install a Channel list in Step C you probably already have the latest channels installed in your Miraclebox. In that case you can skip this step and start watching your favorite channels.
- *Yes, do an automatic scan now*: This is the most common choice for searching channels. Select this and choose whether to clear current channels (Select NO) and which Tuner to Scan. See the example below.



- *Yes, do a manual scan now*: Choose if you want to scan a *Single satellite*, *Transponder* or *Frequency*. Please refer to section 5.2 for more information.

Press OK to start searching channels. This can take a while. See pictures below.



You are now ready to start using and enjoying your Miraclebox Premium!

4. Basic Operations

1. Main Menu

Press MENU to enter the Main Menu. The following options will be displayed.



① Media Player

Goes to the Media Player. Please refer to Media Player section (4.13).

② Plugins

Opens the Plugin browser of your Miraclebox. Using this browser you can browse and manage your installed Plug-ins and also install new ones from our dedicated server.

③ Setup

Configure all of the system settings in the Miraclebox. Please refer to section 5.

④ Information

This menu provides detailed information of your Miraclebox Premium such as Hardware, Software and Network information.

⑤ Timer

Manage your Timer recordings from this menu. Check section Recording (4.11) for more information.

⑥ Standby / Restart

Provides Power management, Restarting the system and Sleep timers.

2. Switching Channel

There are various channel zapping methods. You can switch channel by pressing:

• UP/DOWN (▲/▼)

If you press the UP / DOWN button the current Channel list appears. You can move up and down to select the channel that you want to watch. Change page by pressing NEXT / PREV button.

• LEFT/RIGHT (◀/▶)

Press the LEFT/RIGHT button to view the previous or next channel (from current one).


- CHANNEL (^{CH} PAGE  / )

If you press the CHANNEL + / – button it will show the Channel Selection menu.

- Channel Number (0-9)

Enter a channel number to instantly go to the channel.

3. Volume Control

You can adjust the audio volume by pressing VOL +/- buttons. You can also mute or unmute the audio temporarily by pressing MUTE button .



Mute icon



Icon when changing Volume level

4. Selecting Audio Track

By pressing the AUDIO button you can check which audio tracks are available.

If the current program provides different audio tracks or languages navigate to one you want with UP/DOWN and press OK to choose.

There are also other options like choosing Channel (Stereo/Left/Right) or digital down mix with the COLOR buttons.



5. Selecting Subtitle

You can check available subtitles of the current program by pressing the SUBTITLE button.

Available subtitles (if available) will be displayed. Use UP/DOWN button to navigate to the subtitle that you want to use and press OK to activate it.



6. Teletext

You can view the Teletext information of the current channel by pressing the TEXT button. (It will take some time to load all the information the first time.)

Navigate through the Teletext pages with the UP/DOWN buttons or simply by entering the page number that you want to go to.



There are several other functions with Teletext as you can see below.

- MUTE 

Once the Teletext is activated you can toggle between the live mode and the Teletext page by pressing the MUTE button. There are three modes you can enter with the MUTE button: Teletext (Black background), Live mode or Teletext (Transparent background).



- VOLUME +/-

If you want to enlarge the page, press the VOL+ button while pressing the VOL- will reduce the page size.



Zoomed with VOL+ button



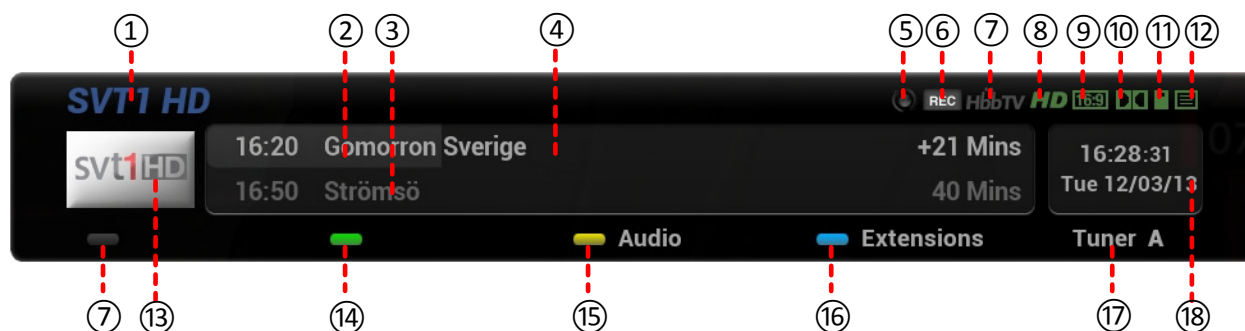
Reduced with VOL- button

To exit the Teletext mode and go back to live mode press the EXIT button.

7. Program Information (InfoBar)

Whenever you change the channel the InfoBar is always displayed for 5 seconds (default setting). The InfoBar is designed to provide you comprehensive information of the channel that you are currently watching.

- Press **OK** to view the InfoBar.



- ① The name of the current channel.
- ② The current program.
- ③ The next program.
- ④ Elapsed and Remaining time of the current program. (Goes in the background)
- ⑤ Update available: If this icon is blinking it means there is an update available.
- ⑥ REC: Highlighted in red when recording is in progress.
- ⑦ HbbTV: Highlighted if the HbbTV is available. Press RED to show.
- ⑧ HD: Highlighted if the channel is a HD channel.
- ⑨ 16:9: Screen ratio.
- ⑩ Dolby sound: Program supports Dolby Digital Sound.
- ⑪ CAS: Means the program is encrypted.
- ⑫ Teletext: Highlighted when the program provides Teletext.
- ⑬ Picon: Shows the Picon (Program Icon) if available.
- ⑭ Subservices: Press GREEN button show Subservices if available.
- ⑮ Audio: Press YELLOW button to display available audio tracks.
- ⑯ Extensions: Shows Addons/Plugins and Picture in Picture options.
- ⑰ Tuner A/B: Indicated which tuner is being used for the current channel.
- ⑱ Time & Date: Shows the actual Time and Date.

Press OK again to display detailed program information.

NOTE: The InfoBar might differ in future updates or if you choose another Skin. The above example of the InfoBar is the one in the official software.

8. Channel Lists

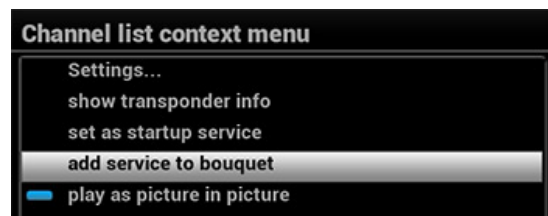
Press the UP/DOWN button to activate the Channel Selection. There are four types of the channel lists available to help you manage your channel selection.



- **All (RED)** - Displays a list on all available channels.
- **Satellites (GREEN)** - Displays the list of all scanned satellites (also Cable or Terrestrial channels). Per each satellite, channels are arranged according to *Services, Provider* and *New*.
- **Provider (YELLOW)** - Displays the list of available providers (based on Channel list)
- **Favorites (BLUE)** - Displays your Favorite lists.

In order for you to add a certain channel to a Favourite list please follow these steps:

1. Go to the Channel List by pressing the UP/DOWN button.
2. Select the channel that you want to add to the Favourite list.
3. Press MENU on the selected channel and the menu to the right will appear.
4. Choose "add service to favourites" and press OK on the Favorite list you wish to add the channel to.
5. Go to the Favourites to confirm that the selected channel is correctly added.



9. Electronic Program Guide

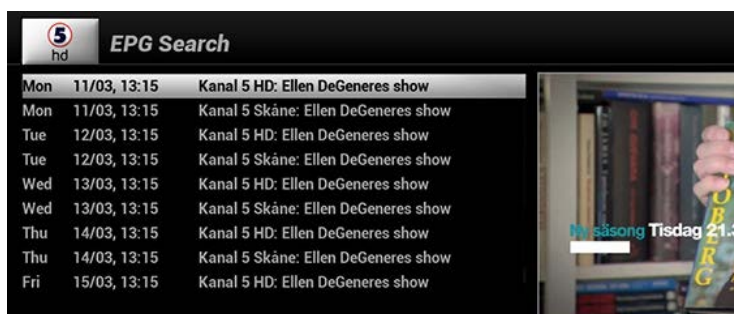
The Electronic Program Guide (EPG) shows the program information of each channel in list. If you have Picons added they will be displayed as in the example.

A. EPG View (Electronic Program Guide)

Press EPG button on your remote to enter the EPG.



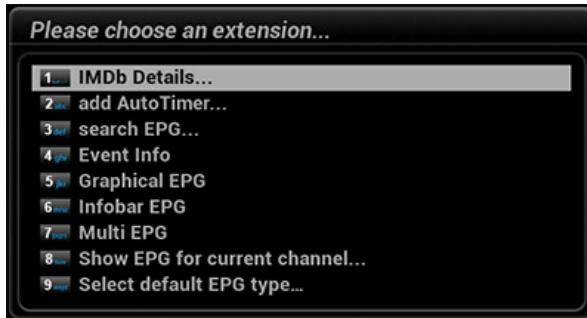
- **IMDb Search (RED)**
If you have a working Internet connection you can search IMDB for information.
- **Add AutoTimer (BLUE)**
Will automatically add new matching Timers for the selected program.
(Needs a separate Plug-in to be downloaded and installed)
- **EPG Search (YELLOW)**
This function is used to scan all the EPG information for the selected program.
Select the program you want to find and press YELLOW button to scan. You will then be displayed when the actual program is going on different channels.



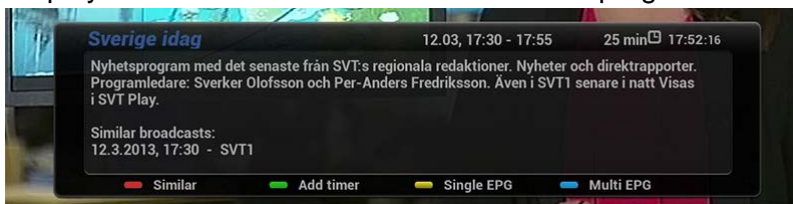
- **Add Timer (GREEN)**
If you want to add a Timer for the program selected in EPG mode press the GREEN button. See Recordings (Section 4.11) for more information.

B. EPG Menu

In the EPG Menu you have several EPG functions that might be interesting for you. Press and hold the EPG button till the below menu appear.



- **IMDb Details**
Please refer to previous section *EPG View*.
- **Add AutoTimer**
Please refer to previous section *EPG View*.
- **Search EPG**
Please refer to previous section *EPG View*.
- **Event Info**
Displays detailed Information for the selected program.



- **Graphical EPG**
Displays the same EPG View as normal EPG in section A.
- **Infobar EPG**
Displays a shortened EPG view on bottom of the screen as below.



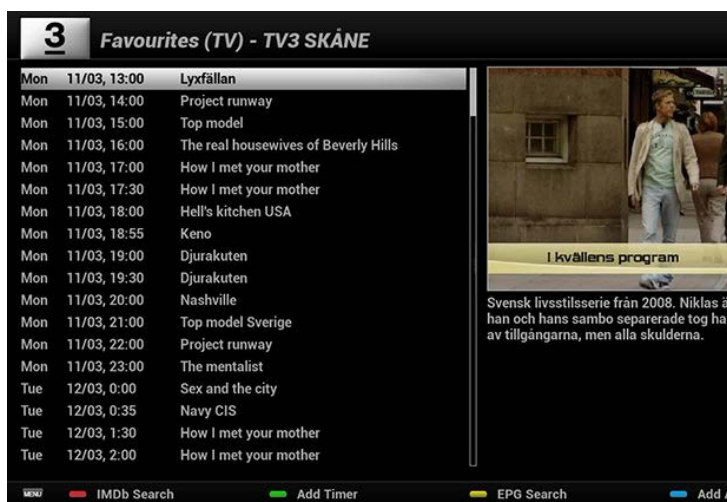
- *MultiEPG*: A nice feature that displays EPG information for all channels in one list. Choose between *NOW* (Current program), *NEXT* (Next program) and *MORE*.



- *Show EPG for current channel*: Please refer to next section *Channel EPG*.
- *Select default EPG type*: Choose which EPG view should be the default one when pressing the EPG button once in live mode.

C. Channel EPG

This view can be entered by pressing the INFO button or through the EPG Menu (Section B). You will be displayed all EPG information for the selected channel.



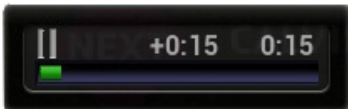
All other functions as in normal EPG View are also accessible from this menu.

NOTE: If you want to change the EPG settings please refer to section 5.3 *EPG Settings*. Here you can also choose from where to download the EPG data.

10. Timeshift

NOTE: You must have a storage device connected and mounted to able to use Timeshift. You can use an internal HDD, external USB storage or a network drive.

Timeshift is an instant recording of the current program that you are watching. Press ►|| button to instantly pause the audio and video you are watching. A small window displaying elapsing time will appear on the left upper side of the screen as below.



In the above state, Timeshifted recording is running until you press the PLAY/PAUSE button again.

If you want to stop the Timeshifted recording and return to the live mode, press STOP.

NOTE: Compared to a normal recording the Timeshifted recording is not meant to be stored. If you stop Timeshift, you cannot replay the Timeshifted recording.

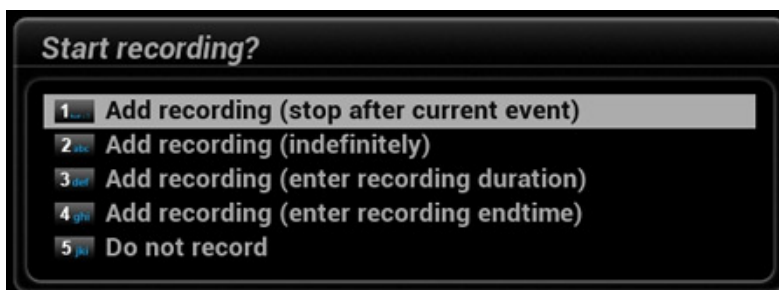
11. Recording

NOTE: You must have a storage device connected and mounted to able to make a recording. You can use an internal HDD, external USB storage or a network drive.

Miraclebox Premium Twin supports multiple recordings up to 8 recording simultaneously.

① Instant Recording

Press REC (●) button to start show the Recording options.



- Add recording (stop after current event)

This option is used when you want to end the recording when the current program ends.

- Add recording (enter recording duration)

This option is used when you want to manually set the length of a recording by entering a certain number.

- Add recording (enter recording end time)

This option is used when you want to define a certain time when the recording shall stop.

- Don't record

This option is used to exit from this menu without recording.

- Stop Recording

If you want to stop a recording press REC again while recording is running and select Stop Recording. You can also press STOP and select the recording you want to stop.

② Recording by Timer

You can manage your Timer recordings with the Timer List menu.

Go to Main Menu > Timer or press the TIMER button on your remote control.

In this menu the COLOR buttons are each assigned a different function.

- *Delete* (RED)

This option is used to delete a timer.

- *Add* (GREEN)

This option is used to add a timer. Here you will be able to set several options.

Name

Displays the name of the selected program.

Description

Displays a short description of the program.

Timer Type

- Select *Zap* for changing to program.
- Select *Record* for recording program.

Repeat Type

- Select *Once* for one time.
- Select *Repeated* for repeated reservation.
If you choose *Repeated* you can reserve zapping or recording per *Daily / Weekly / Mon-Fri / User-defined*.

Date

Displays current date. This entry is on when you selected *Once* in *Repeat Type*.



Start Time / End Time

Set the time to begin/end the recording or zapping.

Channel

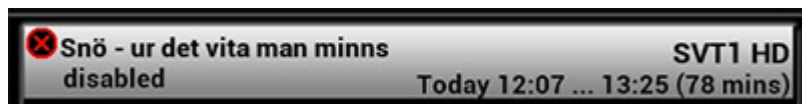
Set the channel to record or zap to. Press OK to show the Channel list and then OK again to choose the channel you want to record.

After event

This option allows you to choose what your Miraclebox should do after the timer event is done. Select *Auto*, *Do nothing*, *Go to standby*, and *Go to deep standby*.

- **Disable (YELLOW)**

This option is used to disable the timer. An X-mark will appear. If you want to enable the disabled timer press the YELLOW button again.



- **Cleanup (BLUE)**

This option is used to remove the finished timers from the Timer List.

NOTE: Make sure that the HDD on your Miraclebox has enough free space available for the recording. If the space on the HDD is not sufficient the recording will stop.

12. Play/Manage Recordings

① Play Recordings/Media

You can go to the Movie List and view your Recordings and media by pressing the MEDIA button in live mode.

Select the file that you want to play with the UP/DOWN button and press OK to play. The selected recording will play and the Infobar will appear.



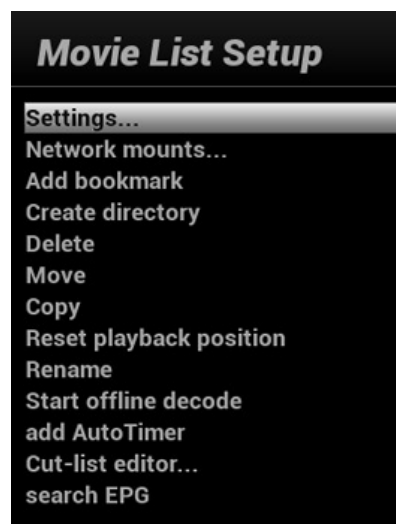
- *Delete* (RED)
Deletes the selected recording/file.
- *Move* (GREEN)
Press to move selected recording to another location (to USB, HDD, NAS etc).
- *Location* (YELLOW)
Choose from which location you want to display recordings / media.
- *Sort* (BLUE)
Press to sort the displayed files by A-Z, Z-A or Date.

② Recordings Menu

When you are in the Recording/Movie List select a file and press the MENU button to display the menu.

Here you will be displayed several of options you are able to do.

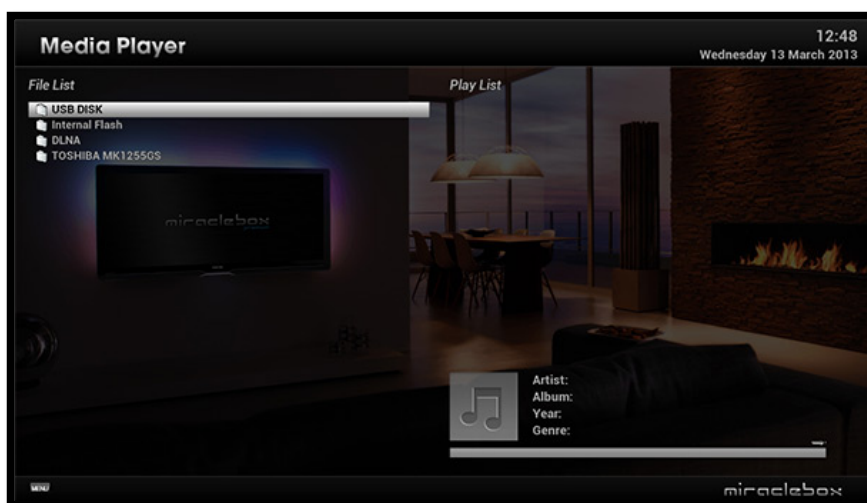
- *Settings*: Display settings for the List/Playback.
- *Network mounts*: Goes to Network Mount menu.
- *Add bookmark*: Add a bookmark
- *Create directory*: Creates a new directory.
- *Delete*: Delete selected file.
- *Move*: Moves selected file.
- *Copy*: Copies selected file.
- *Reset playback position*: Resets playback from 0.
- *Rename*: Renames the selected file.
- *Start offline decode*: As described.
- *Add AutoTimer*: Add a timer.
- *Cut-list editor*: Nice feature to edit recordings.
- *Search EPG*: Searches EPG for selected file.



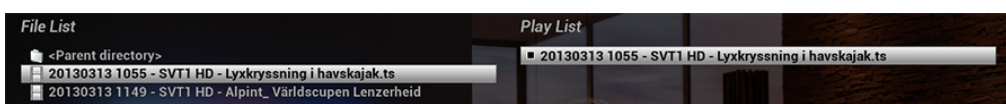
13. Media Player

Miraclebox Premium is a multimedia receiver capable of playing media contents. Using the Media Player you can enjoy high resolution Videos, Music and photos stored on your HDD, USB, NAS or even DLNA-unit.

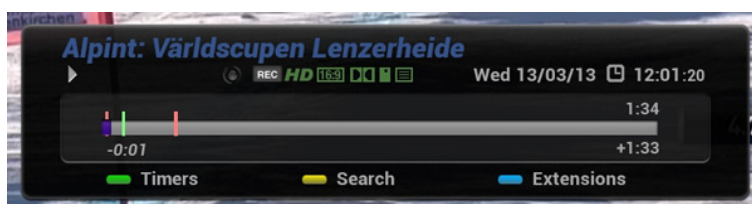
Go to Menu > Media Player or press and hold the MEDIA button to enter the Media Player.



1. Go into any directory of any connected storage device.
2. Select a file in the File List and press OK to play. The selected file will be displayed in the Play List. You can also play the selected file directly by pressing the PLAY button. Supported formats are most MP3, AVI, MKV, MP4 etc. (Depending of Codec)



3. To move between the File List and Play List press the CH-/+ or RIGHT/LEFT button.
4. To play a file and show the Media Player window press the PLAY/PAUSE or STOP button. You can also select a file in the Play List and press OK. To fast forward or rewind use the RIGHT/LEFT or FAST FORWARD/REWIND buttons.



SUBTITLE: Supported Subtitle format are .SRT files. Rename the subtitle file to the same name as your video to use it. For example: Video.avi gives us Video.srt.

14. Plug-ins / Addons

The Plug-ins and Addons are small applications that use the base of your Miraclebox Premium code to run user interface tweaks or additional functions as an example. It is these features that give your Miraclebox Premium a lot of its flexibility. New Plug-ins are

constantly released and developed and you are therefor recommended to connect your Miraclebox to a Network with a working Internet connection. Then you can very smoothly download and install Plug-ins and Addons (Extensions) directly from our server.

A. Plugins

1. Press MENU and select *Plugins* to go to the Plugin browser.
2. Select which Plugin you want to run and press OK to start. Press RED to remove.
3. Press the GREEN button to load a list of available Plug-ins.
4. Select a Plug-in you wish to download and press OK.
5. You can check if the Plug-in was installed properly on the Plugin browser.



B. Addons / Extensions

1. Go to Menu > Setup > Software management > Manage Addons (Extensions).
2. Your Miraclebox will automatically download a list of available Addons.
3. Select and mark which Addon you want to install by pressing OK. Go back to the main Addon window and press the YELLOW button to install.
4. The Addon will be downloaded and installed.

C. Install local Plug-in/Addon

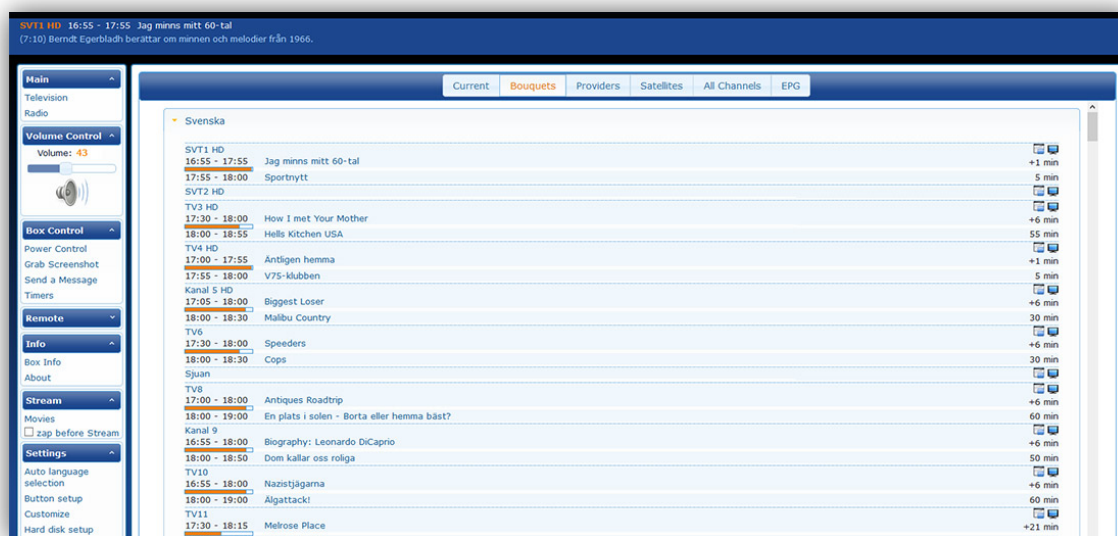
1. Go to Menu > Setup > Software management > Install local extensions.
2. Select on which device the extension is found.
3. Press OK to install the found supported files on the selected device.


15. Web Interface

With the Web Interface you manage you Miraclebox Premium as if you had it in front of you from any computer. Stream live TV, Manage settings, Timer recording, watch EPG and much more. In this section we will guide you through on how to get started and use it.

First you need to know your Miraclebox Premium IP-address. This can be found by going to *Main Menu > Information > Network*. In our example we use 192.168.1.105.

Start any Web browser in your PC, for example Internet Explorer or Firefox. Type the IP-address of your Miraclebox in the web browser address field to enter the Web Interface.



- **Top:** Shows current channel name, program and detailed program information.
- **Main window:** Displays your selection. The Home screen shows available channel lists and it's also here where you can choose to stream the selected channel. Press the  icon to start streaming the service in a new window*.
- **Main:** Choose between TV or Radio mode.
- **Volume Control:** Mute, Lower or Increase the Volume.
- **Box Control:** Power Control, Grab Screenshot, Send a Message, Timers.
- **Remote:** Shows a Virtual Remote to control your Miraclebox Premium.
- **Stream:** Stream your recorded movies directly to your PC*.
- **Settings:** Adjust settings as Auto Language, Customize, Record or Hard disk settings.
- **EPG:** Click on EPG to display a complete detailed EPG view of each channel. See the example to the right for more info.

* Download and install VLC from www.videolan.org to be able to stream live TV or your Recordings.



16. System Information

You can easily display different type of information windows of your Miraclebox in the Information Menu. Go to *Main Menu > Information* to call up this menu.

① About

Shows general information about the Miraclebox. Information about hardware, software version, last upgrade and general contact information will appear.

② Devices

Shows all connected devices and hardware - Tuners, USB, Network, HDD etc.

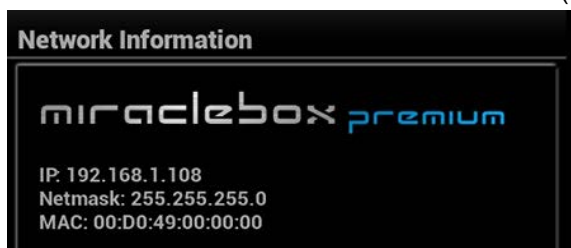


③ Memory

Shows memory information about the internal RAM and FLASH memory. See how much RAM or Flash memory that is free and how much that is used.

④ Network

Shows your LAN / WLAN Network information. IP-address, MAC-address, Netmask and Wireless connections status (if WLAN) is displayed.



⑤ Service

Displays general information about the actual service/channel that you are watching.



17. Standby / Restart

In the Standby / Restart menu you can go into different Standby modes, Restart your Miraclebox and manage Sleep Timers.

To enter this menu go to MENU > Standby / Restart or press and hold the POWER button till this menu appears.



① Sleep Timer

With the Sleep Timer menu you can set a specific time when you want your Miraclebox to go into Standby or Deep Standby mode. These buttons are used:

- RED - This option is used to enable or disable a *Sleep Timer*.
- GREEN - Choose between *Standby mode* and *Deep Standby mode*.
- YELLOW - Choose whether to be asked of confirmation before shutdown or not.

② Standby

Choose this option to turn off your Miraclebox go into Standby mode. This Standby mode is the fastest one to boot up from but at the same time the system is not fully shutdown. You can also go into Standby mode by pressing the POWER button.

③ Restart

To fully restart your Miraclebox use this option. The system will be fully restarted which takes a bit longer than restarting the GUI only.

④ Restart GUI

If you have made some small changes on the system, settings or the user interface you might need to restart the GUI. Please use this option in this case.

⑤ Deep Standby

Choose the Deep Standby mode if you want a power saving Standby mode (less than 1W). Notice that the system will be shut down and the booting time will be much longer compared to the standard Standby mode.

NOTE: The Deep Standby mode is recommended for power saving when you know you will not be using your Miraclebox for a while. (Less than 1W).

5. System Setup

Miraclebox Premium is one of the most feature rich digital receivers on the market. In the System Setup you can easily customize the system to be you own. This section will guide you through on how apply and customize most of the settings.

To enter the System Setup menu please go to *Main Menu > Setup*.

1. System Settings

A. Language Selection

A variety of languages for the OSD/Main System are available to choose from.

Select desired language and save selection with the OK or GREEN button.



NOTE: To automatically let the Miraclebox choose audio and subtitle language go to *Expert Settings* and choose *Auto language selection*.

B. A/V Settings

You have a several Audio / Video settings in Miraclebox you can setup.

Video output: Choose between *HDMI*, *Scart* and *YPbPr* (Component).

Mode: Choose the output resolution:
1080p/1080i/720p/576p/576i/480p/480i.

Refresh rate: *50Hz/60Hz/Multi*

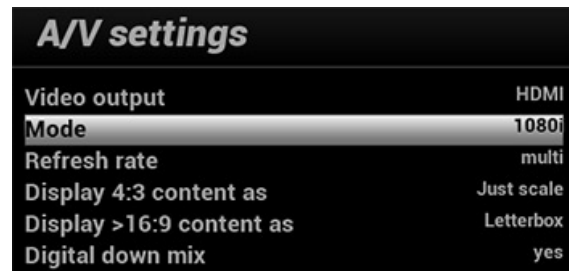
Display 4:3 content as:

Choose how to display 4:3 content on your TV.

Display > 16:9 content as: Choose how to display content higher than 16:9 on your TV.

Digital down mix: *YES* is used when you want to set the audio output to be down-mixed from Dolby Digital to Stereo.

NO is only recommended when you are using S/PDIF connection. If you choose *NO* and you are using a HDMI or SCART connection there can be no audio sometimes when the program that you are watching provides Dolby Digital only.



C. Time Settings

Setup Time zone and server for syncing time (if connected to the Internet).

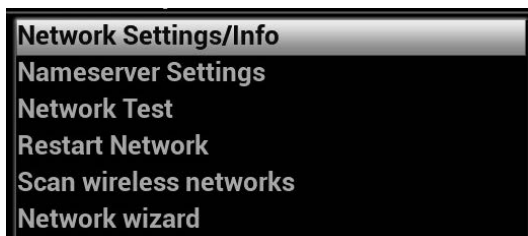
D. Network Setup

To access many of the features of your Miraclebox Premium you are recommended to have a working Network and Internet connection. You can choose between a Wired (LAN) or a Wireless (WLAN) connection (the latter if the WiFi adapter is plugged in).

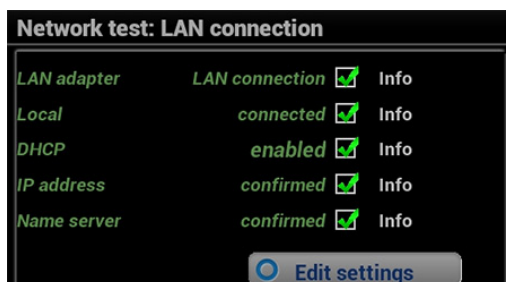
Note! If the Wireless adapter isn't inserted the setup will go to LAN automatically.



Press BLUE button to enter the Network Wizard. Refer to First Time Installation 3.3. After choosing desired connection type above you will be entered this menu:



- ① *Network Settings/Info*
Displays the network status and settings if you want to use interface/DHCP or not.
- ② *Nameserver Settings*
This option is required when you select to not use DHCP.
- ③ *Network Test*
Used to test your network connection and status.



- ④ *Mounts Settings*
Use this option to setup a new Network Mount in your Miraclebox. (See 5.4)
- ⑤ *Restart Network*
This option is used when you want to restart/reboot you Network connection.
- ⑥ *Scan Wireless Networks**
(*available in WLAN) Scans for available wireless networks you can connect to.
- ⑦ *Network Wizard*
Goes to the Network Wizard. Refer to First Time Installation 3.3

E. Recording Settings

Check and edit the Recordings settings. Settings like changing *Recording location*, *Timer recording*, *Margin before/after recording*, *Fast forward speed* etc.

F. Timeshift Settings

Change and edit the Timeshift location. You will also be displayed the permanent Timeshift option (Possibility to save the running Timeshift as a normal Recording).

G. Skin Setup

Since Miraclebox is a Linux based set top box there are a lot of Skins to choose from. Using this menu, you can use a different Skin other than the default one.

NOTE: It takes some minutes since the change of Skin requires a complete system shutdown. Please wait patiently until the system reboots with a newly selected Skin.

H. General Settings

General Settings of behavior of the Infobar, Hiding zap/CI messages, Action when pressing the Power button and much more.

I. Expert Settings

Here you will find more advanced settings for the advanced user.

- ① *Auto Language Selection*
Choose which language that automatically should be chosen regarding Audio, Subtitle and EPG.
- ② *Subtitle Settings*
Setup the subtitle *size*, *position*, *color* etc.
- ③ *User Interface*
Setup the User Interface in your Miraclebox – *3D Setup*, *Position* etc.
- ④ *Customize*
Choose *Setup mode*, *Preferred tuner* and more.
- ⑤ *Display*
Adjust the Front panel display Brightness, Scrolling speed etc.
- ⑥ *HDMI CEC*
Choose to enable or disable HDMI CEC.
- ⑦ *Software Update*
Setup when to check for new available online softwares updates.
- ⑧ *Network Advanced Settings*
Miraclebox offers many advanced Network features. Here you can setup *Network Mounts*, *Samba*, *FTP*, *OpenVPN*, *Telnet*, *uShare*, *NFS*, *Inadyn* and *MiniDLNA*.

2. Service Searching

In this menu you can set up the tuners of the Miraclebox and make a manual or automatic Channel searching. You have also the possibility to install a default channel list from our dedicated server.

A. Tuner Configuration

If you run the First Time Installation process, the Tuner A and B is already configured. If you want to apply some changes of the tuners you can do this here.



Select the Tuner you want to configure by pressing OK. Here you will see current settings and are able to configure the tuner by choose satellite, terrestrial or cable settings. Please refer to the First Time Installation 3.4 for more information on setup.

B. Default Service Lists

In case there are service lists available for a certain satellite or operator, for example Thor, Sirius or Hotbird, you can download and install the lists in your current channel list.

If there isn't any list available you can run the automatic or manual service scan, add TV and radio channels into the channel list.

C. Automatic Scan

The easiest way to scan services is to use the Automatic Scan. In the Automatic Scan menu, there are two options to choose from as below.



- Clear Before Scan

If you want to delete and clear the existing before you start the automatic scan choose YES. If you want to keep the existing list and search new channels select NO.

- Scan Tuner A/B

Choose YES or NO on whether to scan or not scan the selected tuner.

Press OK to start the automatic scan. This will take some time. As the scan proceeds, you will see the progressbar and the newly found services underneath.

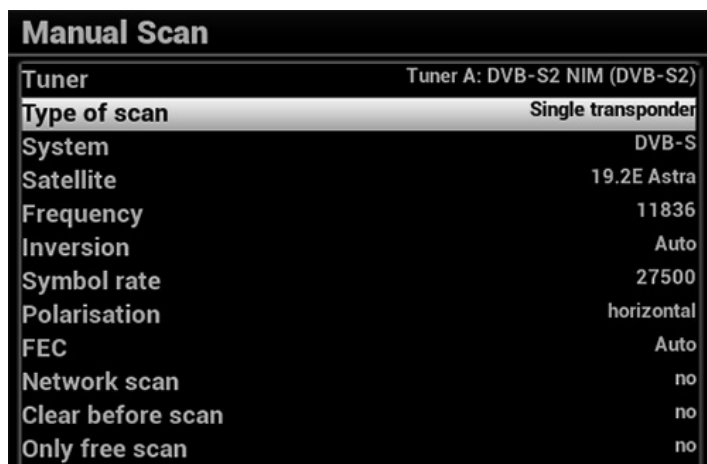


Channel searching progress.

If you want to scan service manually please proceed to next section.

D. Manual Scan

If you know well enough to configure each exact setting required for manual channel search you can do that in this menu. There are many parameter values that you need to decide as below.



- *Tuner*

Choose which tuner you want to use for the manual scan.

- *Type of Scan*

Type of Scan: *Transponder/Satellite/Multisat* for S2 and *Transponder/Complete* for C/T.

- *System*

If a DVB-S2 tuner is mounted you can choose either *DVB-S* (SD) or *DVB-S2* (HD).
If a DVB-C/T2 (Hybrid) tuner is mounted you can choose either *DVB-C* (Cable) or *DVB-T* (Terrestrial T/T2).

- *Frequency*

Enter the frequency of the transponder that you want to scan.

- *Symbol Rate*

Enter the symbol rate of the transponder that you want to scan.

- *Polarity*

Here you have options for *Horizontal*, *Vertical*, *Circular Left* and *Circular Right*. You need to know the polarity of the transponder that you want to scan.

- *FEC (Forward Error Correction)*

Enter the FEC value of the transponder that you want to scan.

- *Modulation*

Here you have two options: *QPSK (SD)* and *8PSK (HD)*.

- *Network Scan*

Network scan is used to not just scan the existing TP's but also new TP data found from the scanned TP. It is recommended to choose *YES* for best scanning result.

- *Clear Before Scan*

If you want to delete the existing channels before searching choose *YES*, otherwise *NO*.

- *Only Free Scan*

If you only want to scan Free To Air (FTA) channels, select *YES*. Otherwise select *NO*.

Press OK to start the manual scan. As the scan proceeds you will see the progressive bar and the newly found services underneath (*See Automatic Scan for example pictures*).

3. EPG Settings

In this menu you can easily setup your EPG settings according to your needs. Setup the EPG layout and information but also from where your Miraclebox should get the EPG data from. Setup EPG carefully to get the best possible performance and experience.

A. General Settings

Choose *EPG location*, *filename* and settings if to *Enable ViaSat EPG* etc.

B. CrossEPG Settings

CrossEPG is a function to download the EPG data online – also called XMLTV. This is the best way to get EPG information for up to 14 days (depends of how much EPG data the server supplies). Please follow the following steps to setup the first time:

1. Setup CrossEPG and choose Storage Device. You can also Schedule downloads automatically to avoid manual downloads. Save settings with the GREEN button.
2. Run *Update Rytec/XEPGDB Provides* to download the latest packages.
3. Select for example XEPGDB Provider and select which country you want to get EPG data for with the OK button. Download the EPG with the YELLOW button.



C. Advanced Settings

Most EPG layout settings are found in this menu. These options are available: *MultiEPG settings*, *SingleEPG settings*, *GraphicalEPG settings*, *Load/Save EPG*.

4. Storage Manager

In the Storage Manager you can format and setup any device that is connected to the Miraclebox. It can be an internal Hard Drive, external USB memory or even a Network Mount – all is handled from here.

A. Format and Initialize

If you have connected a storage device you can format and initialize it in this menu. This will be needed for the Hard Drive to work properly. Don't forget to change Recording and Timeshift settings as in section 5.1 in this manual.

Select the device you want to format and initialize and press OK to start the progress.

NOTE: All data on the device will be lost when you format and initialize it. The procedure cannot be undone.

B. Network Mount

With Miraclebox Premium you can easily connect to any network drive in your local network. It's perfect if you want to record and access your recordings and media from any other Miraclebox or PC. The following options are available:

- *Mount again*
Run to recover any lost connections to your Network Mounts.
- *Mount Manager*
With the Mount Manager you have everything you need to establish and manage your Network Mount points, Manage current mount point, User management, Change hostname and recover lost Mounts – all is in the Mount Manager.
- *Network Browser*
Browse all available Network shares. Select the one that you want to connect to.

C. Filesystem check

A smart function for testing any connected device for errors. Select the device you want to check and press the RED button to start.

5. Common Interface

To be able to watch encrypted channels you need to have a proper CAM or/and Smart card inserted. Miraclebox Premium Twin HD has two integrated Common Interface slots and two Smartcard readers.

In this menu you can get information of the inserted CAM and Smartcards.

6. Parental Control

If you want to prevent certain channels from being accessed by others, you can do so using this menu.

1. Go to *Menu > Setup > Parental Control* to open menu.
2. Activate Parental Control by choosing *YES* using the LEFT/RIGHT button. You will be displayed the following options.
 - *Protect setup*
Choose *YES* to enter a PIN code when you enter this Parental setup menu.
 - *Change setup pin*
If you want to change the existing PIN code for Parental setup, you can do so using this menu. You need to enter a new PIN code twice.
 - *Protect services*
If you want to lock certain channels with a PIN code choose *YES* on this option.
 - *Parental control type*
This option will be activated only when you set Protect services at *YES*. You will see two options:
 - *White list*: Used to block all channels except those in the parental control list.
 - *Black list*: Used to block only those channels included in the parental control list.
 - *Change service pin*
Here you can define a separate PIN code required to change services included in the parental control list.
 - *Edit service list*
Here you can add the services that you want to lock with a PIN code. Services will be arranged in an alphabetical order.

Next time when you want to change to one of these channels the Miraclebox will be asking you for a PIN code to show the channel.

IMPORTANT: Do not lose your PIN code since it's very important for future use.

7. Software Management

Go to this menu to upgrade your Software/Channel List online or Backup Settings.

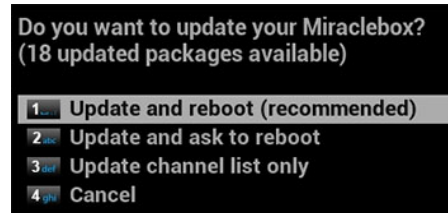
A. Manage Addons

Manage all Addons from this menu. Please refer to *Plugins/Addons 4.14* in the manual.

B. Software Update

Run to let your Miraclebox Premium check for any available updates online.

If there are any updates available you will get four options to choose from as in the example.



C. Upgrade Wizard

If you want to Backup and then upgrade your Miraclebox you can run this Wizard.

D. Backup System Settings

Backups your current System Settings and Service List (Channels). Select the preferred Backup location in *Advanced Options > Backup Location*.

E. Restore System Settings

If you have made a Backup of your System Settings (as above) you can easily restore them by running this option. A great feature when you have upgraded the Miraclebox.

F. Install Local Extensions

Install Plugins, Addons or Extensions from any connected storage device. See 4.14.

G. Advanced Options

Here you'll find all the advanced software management options such as: *Advanced restore, Select Backup Location, Select Backup Files, Packet Management and Select Upgrade Source*.

8. Installation Wizard

If you want to go through the Installation Wizard and setup your Miraclebox again please run this option. See Section 3 *First Time Installation* for more information.

9. Factory Reset

Run the Factory Reset if you want to restore your Miraclebox to Factory default.

Go to *Menu > Setup > Factory Reset* to run the process. Confirm the restoration with YES when asked if you are sure you want to restore.

When the factory reset process is finished your Miraclebox will reboot automatically and start the First Time Installation Wizard.

NOTE: If you do the Factory Reset, all of your configuration data including bouquets, service lists, satellite parameters, and so on will be erased.

6. Miraclebox Remote Control

The Remote Control of your Miraclebox Premium is of Universal type and supports most TV brands on the market. Please follow the user guide below on how to get started.

1. User Guide of the Remote Control Unit

A. TV setup – TV Code

There are two modes to setup your TV brand for Miraclebox. If you do not find your TV brand in the list it might be online on Miraclebox.se. Let's setup the remote.

1. Press and hold the TV button till the TV LED starts blinking.
2. Enter the four digit number of your TV brand.
3. If the number is correct the TV LED blinks three times and is saved.
If the number is incorrect please start over from step 1 or proceed to Mode B below.

B. TV setup – Smart Scan

If you can't find your TV brand in the TV Code List you will have to make a Smart Scan to find your TV. There are two ways to do this – Manually or Automatically.

1. Press and hold the TV button till the TV LED starts blinking.
2. Press the POWER button – the TV LED should be On.
- 3a. Manual Scan: Press and release the UP/DOWN button to start the manual scan.
- 3b. Automatic Scan: Press and hold the UP/DOWN button to start the automatic scan.
4. Continue pressing or holding till the power of the TV is either powered On or Off depending on which mode it's in. Test the VOL+/-, MUTE buttons etc to ensure that the remote works with your TV. If it's working save the TV Code by pressing OK.

C. Master Power

The Master Power Control function is a nice feature if you want to Turn Off/On both your TV and Miraclebox by just pressing the Power button once. Please follow below steps to enable or disable this mode. (Skip step 4 if disabling)

Disable/Enable Master Power

1. Press and hold the STB button till the STB LED starts blinking.
2. Press and release the POWER button - the STB LED will be ON.
3. Press the STB button – the STB LED will still be ON.
4. *ONLY FOR ENABLING*: Press the TV button – the STB LED will still be ON.
5. Press the POWER button. The STB LED will blink three times which indicates that the mode is activated successfully.

2. TV Code List

Here is a list of the most popular TV brands on the market.

Visit Miraclebox.se > *Support* > *Manuals* for a full list of supported TV brands.

BRAND	CODES									
Andersson	5319	7660								
Denver	8644	6896	6305	4485	8299	3637				
Finlux	4819	8644	6896	8060	6092	5605	8568	6381		
	4265	2620	8394	6753	8020	5952	4659	5553		
	6305	7361	3637	4648						
Grundig	5265	4679	6640	3518	8435	6896	8299	7647		
	4265	6230	8644	5119	6812	7287	4925	7733		
	6948	5393	4698	6982						
LG	8644	5393	7287	7647	7430	2924	6381	8265		
	2796	5447	4709	6896	4156	6944	4312	5531		
	8060	4469	5605	6305	3350					
Loewe	3835	5613	7337	8644	6896	7287	8377	8568	4648	
Luxor	5319	2438	8020	6753	6092	4659	3840	8394		
	3350	7910	4783	5605						
Matsui	8644	6896	6230	7647	5605	8568	6482	7910		
	7507	7384	6812	4530	5265	3518	3270	8060		
	5739	5119	2438	7014	7733	3840	3637	4648		
Panasonic	4526	5620	3001	3350	5605	4783	7605	4709	8644	
	2410	8568	8644	6896	8360	5393	4648	6896	2620	
Philips	6896	8644	3518	6127	6538	8016	3802	5874		
	6982	5090	3350	7647	4648					
Pioneer	4174	7507	8644	4849	3350	7430	5605	4422	2590	
	6896	8209	7287	6982	2590	3835	4648	7287		
Samsung	2517	8299	8644	5393	7910	7350	5605	4884		
	6896	7736	3193	4495	4523	5510	3637	4648		
	7647	7287	3488	4469						
Sharp	3193	7138	6812	4638	6127	8568	6538	4174		
	7409	5319	4523	3802						
Siemens	3518	6640	6538	5265	7839	5186	8644	6896	3350	
Sony	6736	2762	7507	6219	3193	4849	4752	5874		
	3078	6812	8644	6896	3802					
Thomson	4884	3847	6982	4422	7430	3270	8644	6896	4469	
United	8060	8644	6381	6896	7733	3840	8299	7066		

7. Upgrade your Miraclebox

Sometimes you need to upgrade the software in your Miraclebox Premium. Normally you can make software updates by going to *Main Menu > Setup > Software Management > Software Update* (See 5.7 for more information).

If you want to flash the Miraclebox with a new software please follow the below steps.

1. Start by downloading the latest software from www.miraclebox.se or any other third party software you want to use.
2. Extract the downloaded file so that you have a directory named *miraclebox*.
3. Copy this folder and its content to a FAT32 formatted USB memory.
4. Power off the Miraclebox Premium with the Power switch on the rear. Insert the USB memory in the USB connection on the Front Panel.
5. Power on the receiver using the Power switch.
6. When you see the text "Press OK to Upgrade!" on the front display press OK on the touch panel to start upgrading.



7. The text "Upgrading" will appear which means that the receiver is flashing. (It will take about 5 minutes).



8. Your Miraclebox will automatically reboot after it has finished flashing. It will then boot up the new software and start the First Time Installation Wizard.

You have now successfully upgraded/flushed your Miraclebox Premium!

NOTE: If you faulty upgrade the software or software that are not intended for Miraclebox Premium, Miraclebox Multimedia will take no responsibility and the warranty will be void.

8. Troubleshooting

Before you contact your local service center, please read the following tips carefully.

NOTE: If the signal is weakened due to bad weather conditions please check if your satellite dish is oriented in the original direction. Also check you LNB and snow on the dish.

1. No video on TV

- Check first if the Miraclebox is powered on and in operation mode.
- Check if the video cable is properly connected between the TV and the Miraclebox.
- Check if the signal cable is connected to Miraclebox and that you have signal.
- Check if the selected channel is encrypted and if you have a corresponding smartcard.

2. Problem with audio quality (No audio)

- Check if the audio or HDMI cable is connected correctly.
- Check the volume level of your TV and Miraclebox.
- Check if Miraclebox or TV is on mute.
- Check the audio options if they are correctly selected according to the program you are currently watching.

3. Remote control problem

- Check if the batteries are correctly mounted.
- If your remote control has been used for a long time, change the batteries.
- Point the remote control directly towards the Miraclebox.
- Make sure that nothing blocks the front panel display.

4. Channel search problem

- Make sure that the Tuner configurations are all correctly made (See 5.2.1).
- Check if the antenna cable(s) are properly connected.

5. Encrypted channel viewing problem

- Check if you have the appropriate Smartcard and/or CAM.
- Take the Smartcard and CAM out and re-insert them to re-initialize.
- Check if your system correctly detects the smartcard and CAM.

6. Recording problem

- Check if the HDD or USB device has sufficient space for recording.
- Check if there are any available tuners for recording.

7. Noise

- Miraclebox has an integrated FAN. This may create a noise but is inevitable to make sure the safety and the lifetime of your Miraclebox.
- While the HDD is running you may also hear a noise.

9. Technical data

Miraclebox Premium Twin HD Technical Specifications		
Front Panel	Display	VFD 11 Characters
	Smart Card / CI Slot	2 / 2
	USB 2.0	1 (For update)
	Buttons (Touch)	POWER / OK / RIGHT / LEFT / UP / DOWN
Rear Panel	Tuners	2 x S2 / 2 x C/T2 / S2 + C/T2
	Video/Audio (Digital)	1 x HDMI
	Video (Analogue)	3 x RCA (Component) / 1x RCA (Composite)
	Video/Audio (Analogue)	1 x SCART
	Audio (Digital)	1 x S/PDIF (Optical)
	Audio (Analogue)	2 x RCA (Stereo)
	USB 2.0	2 (HDD / WiFi / Keyboard / Bluetooth)
	RS232	1
	Ethernet	1 x 10/100 Mbit
	Fan	1
Power	Power switch	1
	Mains Voltage	AC100-250V / 50-60Hz
	Power consumption (Max operation/standby)	65/25/1W
Video	Video resolution	1080p, 1080i, 720p, 576p
	Video decoding	MPEG-2, MPEG-4 compatible
	Input data rate	2-45 MSymb/s
Audio	Decoding	Dolby Digital, MPEG-4 (AAC-HE), MPEG-1/2/3
	Sampling rate	32/4.1/48 kHz
H/W	Internal HDD	1 x SATA (Racket for 3,5" HDD)
	Memory	Flash 512MB / RAM 512MB
	CPU	Dual Core MIPSEL (Broadcom)
General	Dimensions (W x D x H)	320 x 216 x 58 mm
	Weight (Without HDD)	1,76 kg

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info@miraclebox.se
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