

Anadol ECO 4K UHD Bedienungsanleitung

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1. INTRODUCTION

1.1 Safety Instructions

The Anadol ECO has been designed and manufactured in compliance with EU consumer safety requirements (CE).

Please read the following safety precautions carefully

1. Connecting Power

• This product operates only in the range of AC 100V~250V and 50Hz/60Hz. Please check first your power supply to see if it fits this range.

• Please be noted that you need to disconnect from the mains before you start any maintenance or installation procedures.

• Make sure that the power cord is placed in a position where it is easy to unplug it from the mains in an emergency.

2. Overloading

• Do not overload a wall outlet, extension cord or adapter as this may cause electrical fire or shock.

3. Liquid

• This product is not water-proof and should not be exposed to dripping, splashing, or any type of liquid.

- No objects filled with liquid such as base shall be placed on the product.
- Please do not clean the product with wet cloth, which may cause a short circuit.

· No wet objects should be placed near the product.

4. Ventilation

• Allow a sufficient space between the product and other objects to make sure air ventilation of the product.

• Do not block the top or rear of the product with an object, which will close the ventilation holes and lead to a

high temperature of the system. This may cause a failure of the product.

• Do not stack other electronic devices on top of the product.

• Do not insert any kind of pointed objects like screw, gimlet, etc. into the ventilation holes of the product. This will damage the product.

5. Connecting the Coax Cable.

• Disconnect the power of the product before you connect the coax cable to the product. Otherwise, it may cause damage to the receiver.

6. Grounding

• The coax cable and by use of a LNB it must be earthed to the system.

7. Location

• Place the product indoor.

- Do not expose the product to rain, sun or lightening.
- Do not place the product near any heat appliances as a radiator or fireplace.
- Ensure that there is more than 10 cm distance from any electrical devices & wall.

8. Lightening, Storm or Not In Use.

• Unplug the product and disconnect the antenna cable during a thunderstorm or lightening, especially when left unattended and unused for a long period of time. This will prevent possible damages from power surges or lightening.

9. Replacement of Parts

• Unauthorized part replacements, especially by one who is not a qualified technician may result in damage to the product.

• Ensure that when part replacements are necessary qualified technicians perform the task using the components specified by the manufacturer.

10. Hard Disk Drive

Anadol ECO 4K UHD E2 Linux Sat Receiver

• Do not move the product or turn the power off suddenly while the Hard Disk Drive (HDD) 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.

11. Battery

- There is danger of explosion if batteries are incorrectly replaced.
- Replace batteries only with the same or equivalent type.



Disposal "WEEE" Symbol instructions

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.

1.2 Packaging Contents



* The accessories may vary according to area.

Please check all package contents before

1.3 Product Descriptions

Front Panel



Rear Panel

\bigcirc					
	COM USB	AV SPDIF	HD OUT Ethernet	RESET	DC I2V ON/OFF

Tuner DVB-S2

AV

Connect to to a composite (Yellow) Video and or digital Stereo audio (red/white) system.

Optical

Connect to a digital audio system using S/PDIF cable.

HDMI

Connect to TV using a HDMI cable for both audio and video signals.

USB 2.0

Connect ion for USB2.0 devices like Wifi N stick, smargo cardreader and USB memory stick..

USB 3.0

Connect ion for USB3.0 devices like external USB HDD and WIFI AC sticks.

ETHERNET

1 Gbit Ethernet, connect with a rj45 cable (cat5/6) to the router or direct to the internet.

DC IN 12V 2A

Connect the provided AC/DC adapter (2A@12V)

1.4 Conditional Access and Common Interface

Amongst the channels that are scanned via Anadol ECO, some channels can be properly tuned in only with the corresponding Smartcard. The Anadol ECO provides one Smartcard Reader. Users need to purchase the Smartcard required for viewing subscription based services.

Insertion of Smartcard

The smartcard is placed with the chip facing below. Make sure that the Smartcard remain inserted while viewing.

1.5 Main Features

- ARM quad-core
- Linux Operating System
- Media Player
- Downloadable Plug-ins supported
- Smartcard Reader
- Support 4K- 2160p
- MPEG2 / H.264 and H.265 Hardware Decoding
- · HD HEVC / H.265 2160p60 Main-10 multi-format decoder
- Dolby HDR supported
- •8GB Emmc NAND Flash / 1024MB DDR Memory
- 100M Ethernet Interface
- USB 3.0 and USB 2.0
- HDMI 2.0
- · Composite video with digital audio
- SPDIF for digital bit stream out (optical)
- · EPG supported
- · Automatic & Manual Service Scan supported
- Multiple LNB control (DiSEqC) supported
- Skin change supported
- · Stable power adaptor (external)

1.6 Remote Control



Programmable Remote part

See here video: https://youtu.be/sslmeWReRgM

How to program for TV RCU button (Example : Power button) :

- 1. Press "Learn" button over 8 seconds then Power LED will be dark red.
- 2. Face to face for both RCU and press TV RCU's power button to program to STB RCU then Power button will blink.
- 3. Press Power button to learn
- 4. Main Power LED will blink 2 times
- 5. Press "Lean" button to memory.
- 6. Now ready to control TV as Power button.

STB part

- 1. POWER : To control STB power.
- 2. Mute : Mute of Audio
- 3. Snapshot : Capture TV screen
- 3. Resolution : Change resolution of 720p,1080i,1080p,2160p.
- 4. Ratio : Change Ratio of 4:3, 16:9
- 5. Menu : To get Sub menus.
- 6. Exit : Exit or Back.
- 7. EPG : Electrical program Guide
- 8. INFO(i) : Information for TV channel
- 9. Vol +, : To increase/decrease volume
- 10. CH +, : To change channel
- 11. Home : Go Android Home
- 12. Mouse : Change Mouse mode.
- 13. TV : Go TV mode/Radio mode
- 14. Rewind : Rewind Media
- 15. Play/Pause : Pause/Play Media
- 16. Fast Forward : Fast Forward
- 17. Fav : Active favorite menu
- 18. Ter/Sat : Change Group mode for Terrestrial/Satellite Channels
- 19. F1/F2 : function button to load SW key functions.
- 20. Sleep : Call timer to sleep device.
- 21. Timer : Call timer to record.
- 22.Color key: Operate different function in TEXT Screen

1.7 Technical Data

1.7.1 Basic Features

ITEM	SUB-ITEM	Remark
Receiver Size	LxWxH	300x210x45 mm
Poliobility.	Operating Temp.	0~45°C
Reliability	Relative Humidity	10% ~ 80% (non-condensing)
	Terrestrial DVB-S	950Mhz~2150Mhz
RE Recention	Terrestrial DVB-S2	DiSeqC 1.2
	Number of RF Input/output terminal	SAT-IN 1
	(75 Ohms F-Type)	
	Power Indication	(Red=Deep-Sleep) (Clock=Standby)
	Network activity Indication	Yes (Rear)
	Ethernet	Yes (1Gbit)
	HDMI output	576p, 720p, 1080i, 1080p, 2160p
	USB 3.0	Yes (Rear, 1 port)
10 Teatures	USB 2.0	Yes (Rear 1 port and Side 1 port)
	Smart Card Slot	1 slot (Side)
	Optical Output	PCM / Dolby Digital
	Power Supply	AC-DC Adaptor (12V/2.0A)
	RCU	Yes
	HDMI Cable	Yes
	SCART cable	No
	LAN cable	No
Accessories	AC Adaptor (+12V/2A)	Yes
	Battery (AAAx2)	Yes
	User Manual Guide	Yes
	Gift box	Paper box, colored design
Packaging		

1.7.2 Basic Functions

	Functions	PVR Ready STB
	CPU	ARM Quad-core
	RAM	1024MB
Solution	ROM	eMMC NAND 8GB
	OS	Linux version >4.0
	Dolby Digital (AC3)	Yes
	MPEG-1 L1/L2/L3	Yes
	MPEG-2 AAC	Yes
Audio Decoder	MPEG-4 HE-AAC	Yes
	WMA	Yes
	Digital multi-lingual	Yes
	DTS	Yes
Video Decoder	MPEG-1	Yes
	MPEG-2	MP@HL

	Functions	PVR Ready STB
	VC-1	AP@L3
	H.264	HP@L4 (1080p 30fps)
	H.265	2160p 60fps
	WMV9	MP@HL
	XVID	XVID Highdef (HD)
	16:9, 4:3 Monitor Selection	Yes
Video Display	Aspect ratio control	Yes
	576i/576p/720p/1080i/1080p/2160p	Yes
Control I/E	Front keypad	1Key – Power
	RCU	Yes
	Composite video (CVBS) output	Yes
	SCART output	No
	S-video output	No
	Component video (YPbPr) output	No
AV Input/	HDMI output	x1
Output	Stereo L/R audio output	Yes
	Stereo headphone output	No
	SPDIF optical output	Yes
Ethernet	RJ45	x1
	1 Gbit	Yes
Network	Wi-fi (802.11 n/ac)	By USB (optional)
	DHCP, Static IP	Yes
	PPPoE	Optional
Other Functions	Volume & Mute Control	Yes

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2. INSTALLATION OF ANADOL ECO

This chapter will guide you through the installation process of the Anadol ECO. Please read each section carefully to make sure that the system runs properly.

2.1 Connecting the TV

The Anadol ECO provides a variety of audio/video connection methods. For the best quality we recommend to use HDMI. You should configure audio and video settings after connecting up the digital receiver.

2.1.1 Connecting TV via HDMI cable

For the sake of the best picture quality, especially for digital TV, HDMI connection is recommended.

Most HDTVs have HDMI connectors to ensure the highest picture quality. At the rear panel of Anadol ECO there is one HDMI connector available. Connect your TV to the Anadol ECO using a HDMI cable as shown on the picture.



3. FIRST TIME INSTALLATION (USING WIZARD)

When you turn on Anadol ECO for the first time after purchase, an installation wizard starts this you can follow step by

step.

NOTE : OK key is used for confirmation and turns to the next step. Press EXIT key to return to the previous page.

3.1 Video Input Selection

Video input selection	
	C C Learn
Please press OK if you can see this page on your TV (or select a	+ - ок
different input port)	Landra Associate
a unorone input porty.	1 2 3
	4 5 6
The next input port will be automatically probed in 10 seconds.	789
English	< 0 >/.
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	▲ ok ▶
Scart	Venu 🔽 Dat
YPbPr	I Provide Street Provide Street
	<u>~</u> ∰ ↔
	VOL 📥 01
	TY RADO
	presses builts dimensed
	144 1 144
	Eran Ett HELP
	TEXT SUS USS

3.2 Video Mode (Resolution) Selection

Video mod	e selection.	3 2 3 4 5 6 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9
engisii	2160n	era 🧹 i
	720p	- (, 🕹)
	1080i	the Value of the V
	576p	Contraction of the local division of the
	480p	via Ga
	576i	vet 😁 65
	480i	TV RC HARD
		Eran Eli HELP
		TEXT DUE USE

3.3 Screen Configuration



In this step, you can adjust brightness and contrast of Anadol ECO video output.

3.4 Language Selection

Anadol ECO provides various languages and here you can choose the main language for your Anadol ECO. Use UP/DOWN key to scroll up and down to find the language you want.

Please	e use the UP and DOWN keys to select your language. vards press the OK button.		••••• •••• ••••• ••••• ••••• •••• ••••• ••••• •••• ••••• ••••• ••• ••••• ••••• ••• ••••• ••••• ••• ••••• ••••• ••• ••••• ••••• ••• ••••• ••••• ••• ••••• ••••• ••• ••••• ••••• ••• ••••• ••••• ••• ••••• ••••• ••• ••••• ••••• ••• ••••• ••••• ••• ••••• ••••• ••• ••••• •••••	
ò	Arabic		in the second	
	Български		Veru Edt	
	Català		** @	
	Česky	No. 11		
+	Dansk		H4 P	
	Deutsch			
	Ελληνικά		A	J
NK	English			
<u>\$</u>	Español			
	Eesti			

4. BASIC OPERATIONS

4.1 Switching Channels

Channel Selection (TV) - Bouquets/L	ast Scanned	7:30 Wednesday 29 August 2012
DW (Asien)	242 STAR Sports SEA STAR Sports SEA 243 ZEE KHANA KHAZANA 244 STAR Gold Int'I STAR GOLD Int'I 245 STAR Gold STAR GOLD 246 STAR Movies Int'I China/SEA 247 DW (Aslen) Euromaxx 248 Nat. Geo 249 STAR World 250 Fox History 251 825 STAR Gold Int'I 252 Adventure 253 Life OK India 254 Fox Phil 255 830 Star Movies Vietnam 256 ETC Punjabi 257 STAR UTSAV 258 Zee Business	
📾 🐨 📕 All 🛛 📕 Sate	ellites Provider I	Favourites

[*i*: Press ▲/▼, CHANNEL +/- key / Press ◀/ ► to move to the next channels]

Anadol ECO offers various channel zapping methods. You can switch the current channel by pressing

• UP/DOWN key

If you press UP or DOWN key, Channel Selection menu appears.

You can move up and down to select the channel that you want to tune into

• LEFT/RIGHT key

If you press LEFT or RIGHT key, the previous or subsequent channel of the current channel is tuned in.

• CHANNEL +/- key

If you press CHANNEL + or - key, this will call up the Channel Selection menu.

Channel Number

Enter a channel number, and it will instantly tune into the channel.

NOTE : If channel change is not done, it is probably because the selected channel is encrypted and you do not have a

proper smartcard.

In order for you to add certain channels to this Favourites list,

- 1 Call up the Channel Selection list by Pressing UP or DOWN key.
- 2 Go to the list of All channels by pressing RED.
- 3 Select the channel that you want to add to the Favourites list.
- 4 Press MENU key on the selected channel and channel list menu appears.
- 5 Choose "add service to bouquet" and press OK.
- 6 Select "Favorites" and press OK.

7 Go to the Favourites list by pressing BLUE to confirm that the selected channel is correctly included in the list.

4.2 Volume Control



[*i*: Press VOLUME +/- key.]

You can adjust the audio volume by pressing VOLUME +/- key. You can also mute or unmute the audio temporarily by

pressing MUTE key (🔯)

Mute icon is on when the audio is muted.

4.3 Selecting Audio Track

DW (Asten) AC3/DTS downmix Channel Audio Sync MPEG GER	Select audio track			Wednesday 29 A	7:31 August 2012
Audio Sync MPEG GER X	DW (Asien)		AC3/DTS downmix Channel	on stereo	
1 MPEG GER X			Audio Sync		
		1	MPEG	GER X	

[i: Press AUDIO key]

You can check what audio tracks are available to choose by pressing AUDIO key.

By using UP/DOWN key and Color key, you can select a different audio language or Stereo sound. NOTE : Available options on this menu will differ depending on the service.

4.4 Subtitle



[*i*: Press Audio key after it yellow key]

You can view the subtitle of the current program if the program provides the subtitle. Press SUBT key, Subtitle selection menu appears as below.

Available subtitles, if any, will display. By using UP/DOWN navigate the list to select a subtitle that you want to play and press OK to activate it.

4.5 Teletext

100/06 Austext 100	Mon 14 Feb <u>12:14:01</u>			
AUSTEXT	MAIN INDEX			
COPYRIGHT INFO	RMATION ON 104			
INDEX Main Index100 Business111	INFORMATION			
SPORT	TODAY AND TONIGHT Seven Syd660 Seven Melb661			
GENERAL INFO.600	SEVEN BRIS. 662			
CAPTIONS801	SEVEN ADEL . 664			
MAKE AUSTEXT YOUR FIRST CHOICE For Local News				
GENERAL INFO FULL INDEX	INDEX PAGE 120 AUSTEX HELP BUSINESS IDX			

[*i*: Press TEXT key]

You can call up Teletext information by pressing TEXT key. It will take some time to load all the information. You can navigate through the Teletext page by using UP/DOWN key to select a text page. Also, just simply enter the page number that you want to read.

• MUTE key

Once you activated Teletext, you can toggle between the live mode and the Teletext page by pressing MUTE () key instantly. In this case, loading of the Teletext page takes place instantly.

• VOLUME +

If you want to enlarge the page, press VOLUME + key.

• VOLUME -

If you want to reduce the page size, press VOLUME - key.

4.6 Program Information



[i: Press INFO key]

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

4.7 Info Bar

• Press OK to call up infobar.

Wednesday 29 Au	gust 2012		FTA	
7:43	247	DW (Asien)	TXT 16:9	A
	7:30 8:00	Euromaxx Journal	+16 min 3 min	720x576 86 % 105.6° E

4.8 Electronic Program Guide (Event View)



[*i*: Press EPG key]

The Electronic Program Guide (EPG) displays the program information of each channel, if provided, in time and date order. You can view the detailed program information by pressing EPG key and the following menu, Eventview appears.

Detailed information of the current channel will be displayed on EPG. On this menu, three options are provided.

• RED (Similar)

This option helps you find similar programs. If there are one or more programs that are similar to the current program, EPG Selection window displays them as below.

• GREEN (Add Timer)

If you press GREEN key, Timer entry menu appears as below. This option is used to set up a new timer for recording or zapping.

19

Timer entry				7:37 Wednesday 29 August 2012
DW (Asien)				
all solution		lame		Euromaxx
		Description		Leben und Kultur in Europa
		limer Type		record
An IS CONTRACTOR OF THE OWNER		Reneat Type		once
		ate		29.August 2012
and the second se		StartTime		07:27
		IndTime		08:05
		zna i me		DW (Asian)
		nannel		Div (Asien)
		ocation		Inddimoviel
	4	After event		auto
	F	Recording type		normal
	1.:;/	abc2ABC	def3DEF	
	abi4CHI	ILIS IKI	mpo6MNIO	
	gni46Hi	JKIJOKE	minoomino	
	pqrs7PQRS	tuv8TUV	wxyz9WXYZ	
	<	0.?!&@=*'+"()\$~%	>	
Cancel	🛃 ОК			

- Name

Displays the name of the selected program.

- Description

Displays a short description of the selected program.

- Timer Type
- · Select Zap for channel tuning reservation.
- Select Record for recording reservation.
- Repeat Type
- · Select Once for one time of zapping or recording reservation.
- Select Repeated for repeated zapping or recording reservation.
- Repeats This option is given only when you selected "Repeated" in the Repeat Type.

You can reserve zapping or recording per Daily / Weekly / Mon-Fri / User-defined.

- Date

Displays the current date. This entry is on when you selected Once, in the Repeat Type. - Start Time

You can set the time to begin recording or zapping.

- End Time

You can set the time to end recording or zapping

- Channel

This entry allows you to change the channel. Press LEFT/RIGHT key to call up Channel Selection menu. You can select a different channel from this list using this option. To return to Timer entry menu, press EXIT.

• YELLOW (Single EPG)



Press YELLOW while Eventview menu is on, to call up the program event schedules of the selected channel.

In this state, you can sort the list according to A-Z order or Time by pressing YELLOW.

NOTE : To add a timer for recording or zapping, press GREEN.

• BLUE (Multi EPG)

	Wednesday 29 August 20
DW (Asien)	Today 29.8.
	NOW NEXT MORE
	VOA China TV 53
	STAR Sports SE/
and the second se	
	STAR Gold Int'I
	STAR Gold STAR GOLD
	STAR Movies Int
	DW (Asien) Euromaxx
Heute in Euromaxx: Der portugiesische	Nat. Geo
Architekt Alvaro Siza wird auf der Architektur-Bieppale Venedig mit dem	STAR World
Goldenen Löwen für sein Lebenswerk	Fox History
geehrt. Außerdem: ein Portrait der	825 STAR Gold In
vietnamesischen Modedesignerin Tutia	Adventure
Schaad in Unserer Serie "Zweite Heimat Berlin", Und: ein Eischrezent nach	Life OK India
mallorquinischer Art in unserer Rubrik "à la	Fox Phil
carte".	830 Star Movies \

Press BLUE to activate EPG Selection Multi EPG window.

- You can move the previous or next program within the same channel by using YELLOW (Previous)/BLUE

(Next).

NOTE : Not all channels provide EPG information and thus in case of no EPG data, nothing will be displayed except for the channel name.

- You can switch to another channel by using UP/DOWN key.
- RED key is used to instantly tune into the selected channel.

- GREEN key is used to reserve recording or zapping of the selected program.

4.9 Time Shift (only optional possible)



[*i*: Press key]

For your information, Timeshift is an instant recording of the current program that you are watching. Press , it will instantly pause the audio and video of the program, and a small window displaying elapsing time information will appear on the left upper side of the screen as below.

In this state, Timeshifted recording is running until you press either PLAY or PAUSE again. You can restart viewing of the program.

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

You will be asked of Yes or No to stop Timeshift.

NOTE : What is different from normal recording is that Timeshifted recording is not meant to be stored on HDD. If you stop Timeshift, you cannot replay the Timeshifted recording.

Timeshift function is only optional.

4.10 Recording (only optional possible)

Anadol ECO is a Personal Video Recorder (PVR is only optional possible) with an integrated DVB-S2 tuner. There are two ways to operate and manage recording. This Function is only optional.

1 Instant Recording



[i: Press REC key]

Press REC key to start the recording of the current program.

Five recording options are given.

- Add recording (stop after current event)

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

- Add recording (indefinitely)

This option is used when you want to keep recording running without a specific end time. Recording will continue unless you stop it.

- Add recording (enter recording duration)

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

- Add recording (enter recording end time)

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

- Exit

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

2 Recording by Timer

Timer entry				7:47 Wednesday 29 August 2012
DW (Asien)				
		Description		
		limer Type		record
		Repeat Type		once
and the second		Date		29.August 2012
and the second se		StartTime		07:27
		EndTime		08:05
and the second s		Channel		DW (Asien)
	And Personal Property lies of the left	ocation		/hdd/movie/
	ļ	After event		auto
	F	Recording type		normal
		5 71		
	1.:;/	abc2ABC	def3DEF	
	ghi4GHI	jkI5JKL	mno6MNO	
	pqrs7PQRS	tuv8TUV	wxyz9WXYZ	
	<	0,?!&@=*'+"()\$~%	>	
Cancel	📄 ОК			

[*i*: Press MENU key > Select Timer]

You can manage recording process using Timer List menu. Press MENU and select Timer on the menu.

In this menu, color keys are assigned for each different function.

- RED (Delete)

This option is used to delete a timer.

- GREEN (Add)

This option is used to add a timer.

- YELLOW (Disable)

This option is used to disable the timer and X mark will appear.

NOTE : if you want to enable the disabled timer, press YELLOW again.

- BLUE (Cleanup)

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

NOTE : Make sure that the HDD on your Anadol ECO has enough free space available for recording. If the free space

on the HDD is not sufficient, recording might stop before the defined end time.

- Stop Recording [i : Press REC key > Select "Stop Recording"]



4.11 Recording Play

Recorded files /hdd/mov	/ie/		7:51 Wednesday 29 August 2012
Euromaxx	■ OEuromaxx OEuromaxx		Directory Today, 7:49 Today, 7:45
0:42 Wed Leben und Kultur in Europa	DW (Asien)		
Heute in Euromaxx: Der portu, Architekt Álvaro Siza wird auf Architektur-Biennale Venedig ı Goldenen Löwen für sein Lebe geehrt. Außerdem: ein Portrait vietnamesischen Modedesign 17 MB 3656 MB (99%) fre	giesische der mit dem enswerk der erin Tutia e diskspace		
📾 📾 📕 Delete	Move	Location	Sort

[*i*: Press FILE LIST key]

You can view recorded files on the Recorded files menu. Press FILE LIST to activate this menu.

Select the file that you want to play. It will instantly replay the file and display the recording infobar.

This infobar gives you the following information of the recording.

- 1 Title of the recording
- 2 Remaining time
- 3 Progressive bar
- 4 Elapsed time

4.12 Managing Recording Files

Filelist menu 7:52 Wednesday 29 August 2012	
Delete Move Copy Reset playback position Rename Start offline decode Cutlist editor Add Bookmark create directory Network Setup Settings	

[*i*: Press FILE LIST key > Press MENU key]

If you want to delete a recording file, press MENU key while Recorded file menu is on.

Select "Delete" and confirm OK to delete.

4.13 Media Player

MediaPlayer			9:1 Monday 30 July 201
🖸 internal Hash	Filelist	Play	ist
1			
600	Title:		
	Artist: Album:		
	Year:	Genre:	

[*i*: MENU > Plugins > Media Player]

Anadol Eco is a multimedia receiver capable of playing media contents. Using Media Player, you can enjoy Music, Photo

and Video contents stored on the external HDD and/or a USB memory stick plugged into Anadol ECO.

If you play Media Player, the following player will appear.

- 1. Go into any directory of the HDD or plugged USB.
- 2. Select a file to play and press OK
- * Supported formats are mainly JPG, MP3, AVI, etc.
- 3. In the same way, you can play the recording files stored on the HDD.

4.14 Plugins



[i: MENU >Plugins]

Anadol ECO is integrated with standard 10/100Mbps Ethernet with RJ 45 connector. You are recommended to use this network capability of Anadol ECO to fully enjoy the system. If your Anadol's network connection is established, you can directly download plugins from from Openatv or from another image.

- 1 Press MENU and select Plugins menu to active Plugin browser.
- 2 Press GREEN key to download a list of plug-ins available.
- 3 Once the download is done, a list of plug-ins will be displayed.
- 4 Select a plug-in to download.
- 5 You can check if the download is done properly on the Plugin browser

From this site, you can check available plug-ins to download.

4.15 Sleep Timer



[*i*: MENU > Power Management > Sleep Timer]

You can set a specific time when your Anadol ECO goes into Standby mode or Deep Standby mode, using this menu. Three color keys are used to set up this sleep timer.

1 RED

This option is used to enable or disable Sleep Timer.

2 GREEN

This option is used to choose between Standby mode and Deep Standby mode.

3 YELLOW

This option is used to choose whether to be asked of confirmation before system shutdown.

3 BLUE

This option is used to use time of currently running service.

5. MENU

5.1 Main Menu

Anadol ECO is a very sophisticated device designed to allow users a variety of System Settings options as detailed as

possible. You can fine-tune your Anadol ECO to be your own system to fit your taste. This chapter will guide you through the entire menu of system configuration.



[i: Press MENU]

The main menu of Anadol ECO consists of the following sub menus.

Timer

Enables you to reserve program watching and recording.

Information

Has two sub menus for Service / About. Service menu provides the detailed information of the current channel. About menu provides the detailed information of the H/W and S/W system of your Anadol ECO. For more information, please refer to the Information section.

Plugins

Activates Plugin browser of Anadol ECO. Using this browser, you can log onto the designated website and you can download a variety of new plug-ins.

• Setup

Provides all of the System Settings. For more information, please refer to the next section.

• Standby / Restart

Provides options for power on/off and sleep timer. For more information, please refer to the Power On/Off section.

5.2 Setup

Setup	7:57 Wednesday 29 August 2012
DW (Asien)	System Settings Service Searching SoftCam / Cl Parental Control Factory Reset Software Update

Setup menu consists of the following sub-menus.

- 1 System Settings
- 2 Service Searching
- 3 Common Interface
- 4 Parental Control
- 5 Factory reset
- 6 Software Update

5.2.1 System Setting

System Settings	7:58 Wednesday 29 August 2012
DW (Asien)	Audio/Video
	Other Settings Graphical User Interface Electronic Program Guide Recording and FileList
	OpenPLi Advanced Subtitles
	Auto Language Selection
	Hard drive
	Network Setup
	Input devices
	Keyboard
]

5.2.1.1 Audio/Video

Audio/Video		7:58 Wednesday 29 August 2012
DW (Asien)		
	Video output	үрьрг
	Resolution	720p
	Refresh rate	50Hz
	Display 4:3 content as	Pillarbox
	Display >16:9 content as	Letterbox
	AC3/DTS downmix	yes
	General AC3 sound delay	0
	General PCM sound delay	0
	OSD visibility	
	Scaler sharpness	
Cancel		

[*i*: MENU > Setup > System Settings > Audio/Video]

Here you will find options necessary to set up the audio and video configuration of your Anadol ECO.

NOTE : RED is for cancel and GREEN is for OK. OK key of RCU is not working in this mode.

Amongst the parameters given in this menu, the following ones are generally what you need to decide for the audio and video.

1 Video output

Here you need to decide which video output you want to use between your TV and Anadol ECO. The available options are as below.

• HDMI

2 Resolution

You need to decide which resolution to use.

3 AC3 Downmix

YES is used when you want to set the audio output to be down-mixed from AC3 to Stereo. NO is used when you do not want to set the audio output to be down-mixed from AC3 to Stereo. If NO is select and your system doesn't support passthrough/raw data audio, then it can been possible that on some channels that there is no audio.Like if the program that you are watch provides AC3 only. This option is only recommended when you use S/PDIF connection.

5.2.1.2 Other settings

Other Settings		8:00 Wednesday 29 August 2012
DW (Asien)		
	Setup Mode	Expert
	Zap mode	Black screen
	Enable teletext caching	yes
	Alternative services tuner priority	DVB-S/-C/-T
	Preferred tuner	auto
	Disable background scanning	no
	Create more detailed crash log	no
	Include EIT in HTTP streams	yes
	Include AIT in HTTP streams	yes
	Include ECM in HTTP streams	no
	Descramble HTTP streams	yes
Nancel	ок	

[*i*: MENU > Setup > System Settings > Other Settings]

In this menu you will find various customization options and this menu can be displayed in three different

formats: Simple, Intermediate, and Expert.

NOTE : RED is for cancel and GREEN is for OK. OK key of RCU is not working in this mode.

Amongst the options given in this menu, the following ones are generally what you may need to know.

5.2.1.3 Network Setup



[*i*: MENU > Setup > System Settings > Network Setup]

Anadol ECO is integrated with standard 10/100Mbps Ethernet with RJ 45 connector standard. You are recommended to use this network capability of Anadol ECO to fully enjoy the system. You can set up the network settings through this Network Configuration menu.

In the Network Configuration menu, you will see five sub menus as follows:

1 Adapter settings

Through this menu, you can set the basic Ethernet configuration.

Network Setup			Wedneedey 29 August	8:02
DW (Asien)			wednesday 29 August	2012
	Use Interface			yes
	Use DHCP			yes
		Current settings:		
IP Address	N/A	Primary DNS	0.0.0.0	
Netmask	N/A	Secondary	0.0.0.0	
Gateway	N/A			
	Network:	LAN connection		
Press O	K to activate the	settings.		
🧧 Cancel 🛛 📾 Virtua	l Keyboard		Edit DNS	

Use Interface

YES is used to activate the Ethernet. If you set this option at NO, the Ethernet will not work.

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Use DHCP

YES is used to use DHCP (Dynamic Host Configuration Protocol). If you set this option at YES, it will automatically detect the correct IP address. NO is used when you want to use a certain fixed IP address. In this case, you need to enter correct addresses in each field.

2 Nameserver settings

This option is required if you selected not to use DHCP. You need to enter the address of the Nameserver.

3 Network test

When you are not sure whether the network configuration has been done correctly or not, you can run this test.

4 Restart Network

This option is used when you want to reboot the Ethernet of your Anadol ECO.

5.2.1.4 Language Selection

Language selection	8:02 Wednesday 29 August 2012
DW (Asien)	Arabic
	Български
	Català
	Česky
	Dansk
	Deutsch
±=	Ελληνικά
N N N N N N N N N N N N N N N N N N N	English
<u>&</u>	Español
	Eesti

[*i*: MENU > Setup > System Settings > Language]

A variety of languages are available for the OSD of Anadol ECO .

5.2.1.5 Time zone

Timezone	8:03 Wednesday 29 August 2012
DW (Asien)	Timezone (GM140) 1001 Amsterdam, Barlin, Bern, Roma, Vienna
🧧 Cancel 🛛 🔤 C	ок

[*i*: MENU > Setup > System Settings > Timezone]

You can set your time zone in this menu.

Using LEFT/RIGHT key, you can find a time zone that you want to use for your Anadol ECO. After selecting a time zone, press GREEN to confirm and save the changed setting.



5.2.1.6 Hard Disk Set Up

[*i*: MENU > Setup > System Settings > Hardrive > Hard drive Setup]

You can set the duration of time after which HDD is to be put into standby mode.

Here, you can choose from No standby to various duration.

Once you set this option, press GREEN key to confirm the change.

5.2.2 Service Searching

Service Searching	8:04 Wednesday 29 August 2012
DW (Asien)	Tuner Configuration
	Automatic Scan
	Manual Scan
	Fast Scan
	Positioner Setup
	Satfinder

[*i*: Press MENU> Setup > Service Searching]

Here you set up the tuner of your Anadol ECO and run channel scanning automatically or manually.

5.2.2.1 Tuner Configuration

Reception Settings		8:07
		Wednesday 29 August 2012
	Configuration Mode	advanced
	Satellite	105.5E AsiaSat 3S C Band
	LNB	LNB 1
	Priority	Auto
	LOF	C-Band
	Voltage mode	Polarization
	Increased voltage	no
	Tone mode	Off
	DiSEgC mode	None

[*i*: MENU > Setup > Service Searching > Tuner Configuration]

If you run the First Time Installation process, the Tuner A is already configured.

5.2.2.2 Automatic Scan

ž	1:11 Thursday 1 January 1970
scan done! 390 services found! FEED-1 GEO FEED-2 FEED-3 FEED-4 AAG FEED-5 GEO SUPER	
GEO ENGLISH FEED-8	

[*i*: MENU > Setup > Service Searching > Automatic Scan]

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

Clear Before Scan

YES is used when you want to delete the existing channel list before you start the automatic scan. If you want to keep the existing list, select NO.

• Scan Tuner A (DVB-S2)

Press OK to activate the automatic scan. This will take some minutes. As the scan proceeds, you will see the progressive bar and the newly found services underneath.

5.2.2.3 Manual Scan

Service scan		8:08 Wednesday 29 August 2012
DW (Asien)		
	Tuner	Tuner A: BCM7346 (internal) (DVB-S2)
	Type of scan	Single transponder
	System Settings	DVB-S
	Satellite	105.5E AsiaSat 3S C Band
	Frequency	03760
	Inversion	Auto
	Symbol rate	26000
	Polarization	horizontal
	FEC	Auto
	Network scan	no
Press OK to start the scan	Clear before scan	no
riess on to start the sear	Only Free scan	no
	Only Pree Sean	

[*i*: MENU > Setup > Service Searching > Manual Scan]

If you know well enough to configure each exact setting required for manual search of services, you can do manual scan as well. There are many parameter values that you need to decide as below.

Amongst other things, the below parameters are what you need to decide prior to performing manual scan.

1 Tuner

You need to decide which tuner you want to use for manual scan.

2 System Settings

Here you have two options between DVB-S (SD) and DVB-S2 (HD).

3 Frequency

You need to enter the exact frequency of the transponder that you want to scan.

4 Symbol Rate

You need to enter the exact symbol rate of the transponder that you want to scan

5 Polarization

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.

6 FEC (Forward Error Correction)

You need to enter the exact FEC value of the transponder that you want to scan

7 Network Scan

Here you have two options for YES and NO. NO is used to scan the transponder (TP) based on the data that your Anadol ECO currently has. YES is used to scan the TP not just based on the existing TP data but also using new TP data, if there is TP data newly transported from the TP. Naturally, YES option takes longer while it may results in a better scan result.

8 Clear Before Scan

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YES is used when you want to delete the existing channel list before you start the automatic scan. If you want to keep the existing list, select NO.

9 Only Free Scan

Here you have two options for NO and YES. If you want to scan only Free to Air channels without any encryption, select YES. Otherwise, select NO to scan all FTA and CAS channels.

Press OK to activate the manual scan. This will take some minutes. As the scan proceeds, you will see the progressive bar and the newly found services underneath.

5.2.2.4 Fast Scan



[*i*: MENU > Setup > Service Searching > Fast Scan]

In case there are service lists available for certain providers, for example, TV Vlaanderen, telesat, you can install the lists

in the channel list to your Anadol ECO.

If default service lists are not available, you can run the service scan automatically or manually add TV and radio channels to the channel list of your Anadol ECO.

5.2.3 Parental Control

Parental control Setup		8:09 Wednesday 29 August 2012
DW (Asien)		
	Enable parental control	yes
	Protect Setup	no
	Protect services	no
📕 Cancel 🛛 🗾 OK	<	

[*i*: MENU > Setup > Parental Control]

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

- 1 Go to Parental Control menu by pressing MENU > Setup > Parental Control.
- 2 Set the parental control option at YES using LEFT/RIGHT key. The menu will change as below.

Protect setup

If you set this option at YES, you will be asked to enter 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

You need to set this option at YES, if you want to lock certain channels with PIN code.

• Parental control type

Parental control Setup		8:09 Wednesday 29 August 2012
DW (Asien)	Enable parental control Protect Setup Protect Services Parental control type Change service PIN Remember service PIN Edit services list Edit bouquets list Reload Black-/Whitelists	yes no yes blacklist never
📕 Cancel 🛛 🔤 OK		

This option will be activated only if you set Protect services at YES. Here there are two options:

- White list : This option is used to block all channels except those channels in the parental control list.
- Black list : This option is used to block only those channels included in the parental control list.

Change pin code		8:10 Wednesday 29 August 2012
DW (Asien)	New DIV	
	Reenter new PIN	
Zancel	ок	

• Change service pin

Here you can define a PIN code required to change services to be included in the parental control list.

NOTE: PIN code here is used for Change service and thus you are recommended to use a PIN code different from that used for Protect services.

5.2.4 Factory Reset



[*i*: MENU > Setup > Factory Reset]

If you want to erase all installed service list as well as all configurations, run the Factory Reset process. Select YES in the below menu to run the factory reset.

Upon the completion of factory reset process, your Anadol ECO will reboot automatically and start the First Time Installation process. NOTE : If you do this factory reset, all of your configuration data including bouquets, service lists, satellite parameters, and so on will be erased.

5.3 Information

5.3.1 Service Information



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[*i*: MENU > Information > Service]

In this menu, you can see all the parameter data of the current channel. The service information is well arranged in four sections as below:

- 1 Service info
- 2 PIDs
- 3 Multiplex
- 4 Tuner Status

5.3.2 Checking H/W & S/W Information



[*i*: MENU > Information > About]

This menu is for you to check the current system of your Anadol ECO. You can see the following information:

- 1 S/W version
- 2 Detected NIMs for Tuner A
- 3 Detected HDD

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7. TROUBLESHOOTING

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

NOTE : if the antenna is covered with snow or the RF signal is weakened by heavy rain, the quality of audio and video may become temporarily poor. If you experience poor audio and video quality due to bad weather conditions, please check if your satellite antenna is oriented in the original direction. And see if it is covered by snow. Also, check if your LNB is not damaged.

- 1. No video on TV
- Check first if the product is powered on and in operation mode.
- Check if the video cable is properly connected between TV and Anadol ECO.
- · Check if the satellite cable is properly connected to Anadol ECO.
- · Check if the selected channel is currently on air.
- · Check if the selected channel is encrypted and if you have a corresponding access smartcard.
- 2. Problem with audio quality
- · Check if your audio cable is connected correctly.
- Check the volume level of your TV and the product.
- Check if the product or TV is on mute.
- Check the audio option if it is correctly selected for the program that you are currently watching.
- 3. Remote control problem
- Check if the batteries are correctly mounted.
- If your remote control has been used for long, change the batteries.
- · Point the remote control directly toward the product.
- Make sure that nothing blocks the front panel display.
- 4. Channel search problem
- Make sure if tuner configurations are all correctly made.
- Check if the antenna cable(s) are properly connected.
- 5. Encrypted channel viewing problem
- Check if you have the appropriate Smartcard.
- Take the Smartcard out and re-insert them to re-initialize.
- · Check if your system correctly detects the smartcard.
- 6. Recording problem
- Check if the HDD has a sufficient space for recording.
- · Check if there is a conflict between recording timer.
- 7. Noise
- When HDD is running, you may hear a noise.

8. GLOSSARY

0DCK	2 PSK is usually the highest order PSK constallation deployed. With more than
oron	8 phases the error rate becomes too high and there are better though more complex.
	o phases, the endi-rate becomes too high and there are beller, though more complex, modulations available such as guadrature amplitude modulation (OAM)
	Although any number of phases may be used the fast that the constellation must
	Autough any number of phases may be used, the natural the constenation must
	usually deal with binary data means that the number of symbols is usually a power of 2
	— this allows an equal number of bits-per-symbol.
	O anno aite side a is the formest of an angle state ising (side we such) simplify for
	Composite video is the format of an analog television (picture only) signal before
	it is combined with a sound signal and modulated onto an RF carrier. Composite
	video is often designated by the CVBS acronym, meaning Color, video, Blank
	and Sync. In German (with PAL being a German invention by Telefunken's Walter
	Bruch) the appreviation FBAS (Farbe-Bild-Austastung-Synchron) means the same.
	It is usually in standard formats such as NTSC, PAL, and SECAM. It is a composite
	of three source signals called Y, U and V (together referred to as YUV) with sync
	pulses. Y represents the brightness of luminance of the picture and includes
	synchronizing pulses, so that by itself it could be displayed as a monochrome picture. U
	and v represent nue and saturation or chrominance; between them they carry the color
	Information. They are first modulated on two orthogonal phases of a color carrier signal
	to form a signal called the chrominance. Y and UV are then combined. Since Y is a
	baseband signal and UV has been mixed with a carrier, this addition is equivalent to
Conditional Access System	Several companies provide competing Conditional Access Systems; Irdeto Access,
	Nagravision, Conax, Viaccess, Verimatrix and NDS are among the most commonly
	used CAS systems.
DISEqC	Stands for Digital Satellite Equipment Control. It is a special communication protocol for
	use between a satellite receiver and a device such as a multi-dish switch or a small dish
	antenna rotor. DISEqC was developed by European satellite provider Eutelsat, which
	now acts as the standards agency for the protocol.
Dolby Digital	Dolby Digital is the common version containing up to six discrete channels of sound.
	The most elaborate mode in common usage involves five channels for normal-range
	speakers (20 Hz - 20,000 Hz) (right front, center, left front, right rear and left rear) and
	one channel (20 Hz - 120 Hz allotted audio) for the subwooter driven low-frequency
	effects. Mono and stereo modes are also supported. AC-3 supports audio sample-rates
	up to 48 kHZ.
	* DD (on abbreviation for Balby Digital, often combined with abannel county
	DD (an appreviation for Dolby Digital, often complined with channel count;
	IOI INStance, DD 2.0, DD 5.1)
EPC	Floatronia Brogram Cuida is a digital guide to scheduled broadcast television or
	radio programs, typically displayed on screen with functions allowing a viewer to
	navigate select and discover content by time title channel genre etc. by use of their
	remote control, a keyboard, or other input devices such as a phone keyboard
	Content can also be scheduled for future recording (Recording is only optional possible)
	by a personal video recorder
	(PVR). The on-screen information may be delivered by a dedicated channel or
	assembled by the receiving equipment from information sent by each program
	channel.
eSATA	A variant of SATA meant for external connectivity with the following characteristics: *
	Minimum transmit potential: Range is 500-600 mV. * Minimum receive potential: Range
	is 240-600 mV. * Identical protocol and logical signaling (link/transport-laver and above).
	allowing native SATA devices to be deployed in external enclosures with minimal
	modification.
FEC	Stands for Forward Error Correction. This is a system of error control for data
	transmission, whereby the sender adds redundant data to its messages, also
	known as an error-correction code. This allows the receiver to detect and correct errors
	(within some bound) without the need to ask the sender for additional data. The
	advantages of forward error correction are that a back-channel is not required and
	retransmission of data can often be avoided (at the cost of higher bandwidth
	requirements, on average).
HDMI	Stands for High-Definition Multimedia Interface. It is a compact audio/video
	interface for transmitting uncompressed digital data. HDMI connects digital audio/
	video sources—such as set-top boxes, Blu-ray Disc players, personal computers
	(PCs), video game consoles (such as the PlayStation 3 and some models of Xbox
	360), and AV receivers—to compatible digital audio devices, computer monitors,

	and digital televisions. As an uncompressed connection, HDMI is independent of the various digital television standards used by individual devices, such as ATSC and DVB, as these are encapsulations of compressed MPEG video streams (which can be decoded and output as an uncompressed video stream on HDMI).
LNB	Stands for Low-Noise Block converter. This is the (receiving, or downlink) antenna of what is commonly called the parabolic satellite dish commonly used for satellite TV reception. The LNB is usually fixed on or in the satellite dish. The purpose of the LNB is to take a wide block (or band) of relatively high frequencies, amplify and convert them to similar signals carried at a much lower frequency (called intermediate frequency or IF). These lower frequencies travel through cables with much less attenuation of the signal, so there is much more signal left on the satellite receiver end of the cable. It is also much easier and cheaper to design electronic circuits to operate at these lower frequencies, rather than the very high frequencies of satellite transmission.
PID	Stands for Packet Identifier. This is a set of numbers identifying stream packets contained within a single data stream
Polarization	The orientation of the electrical and magnetic fields of a signal. Satellites use mainly vertical and horizontal polarization.
S/PDIF	Stands for Sony/Philips Digital Interconnect Format. A common use for the S/PDIF interface is to carry compressed digital audio as defined by the standard IEC 61937. This mode is used to connect the output of a DVD player to a home theater receiver that supports Dolby Digital or DTS surround sound. Another common use is to carry uncompressed digital audio from a CD player to a receiver. This specification also allows for the coupling of personal computer digital sound (if equipped) via optical or coax to Dolby or DTS capable receivers.
Smartcard	A pocket-sized card with embedded Integrated Circuits which can process data. It can receive input which is processed and delivered as an output. The card may embed a hologram to avoid counterfeiting. It is used for accessing encrypted TV channels or services.
Teletext	A television information retrieval service developed in the United Kingdom in the early 1970s. It offers a range of text-based information, typically including national, international and sporting news, weather and TV schedules. Subtitle (or closed captioning) information is also transmitted in the teletext signal, typically on page 888 or 777.
YPbPr	A color space used in video electronics, in particular in reference to component video cables. YPbPr is the analog version of the YCBCR color space; the two are numerically equivalent, but YPBPR is designed for use in analog systems whereas YCBCR is intended for digital video. YPbPr is commonly called "component video", but this is a misnomer, as there are many other types of component video (mostly RGB with sync either on green or one or two separate signals).
	PB, and PR.
	 * Y carries luma (brightness) and sync information. * PB carries the difference between blue and luma (B - Y). * PR carries the difference between red and luma (R - Y). Sending a green signal would be redundant, as it can be derived using the blue, red and luma information.