

# CHMax

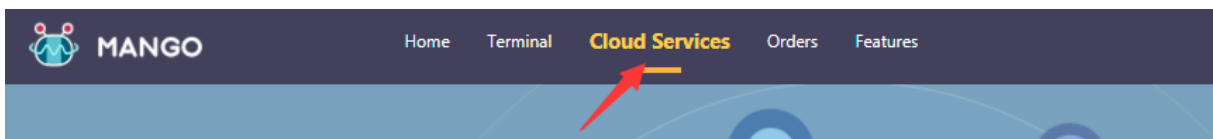
## 1.1 Function Introduction

CHMax is a channel management service from the cloud. The satellite channels are updating always, CHMax to manage the category, ICON etc automatically to save the time. And also can share with other settings via internet.

## 1.2 UI Display

Website <http://metamango.org/#/home>

Or scan the QR code on the STB



## 1.3 Add CHMax List

1. Click "Create Channel List" button, go to CHMax window.
2. Input channel list name in the top of CHMax window.

*Remark: If you have CHMax list file, you can click "Import" button to import the Channels data.*

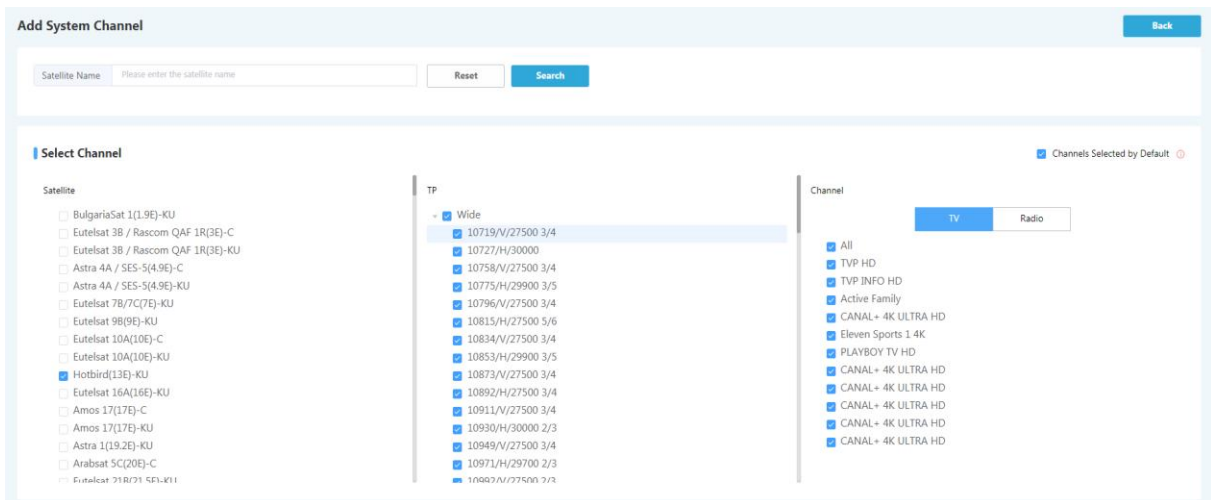
The screenshot shows the CHMax interface. At the top, there is a search bar labeled "Channel List Name" with a placeholder "Please enter the channel list name" and an "Import" button. Below this, there are three summary cards: "Satellite" with a count of 0, "Transponder" with a count of 0, and "Favorite" with a count of 8. The main area contains several filter dropdowns: "Channel Name", "SID", "Satellite" (set to "All"), "TP" (set to "All"), "FTA/Scramble" (set to "All"), and "Lock" (set to "All"). There are "Search" and "Reset" buttons. Below the filters, there are tabs for "TV" and "Radio". Under the "TV" tab, there are "Add", "Delete", and "Sort" buttons. A table is displayed with the following columns: "NO.", "Channel Name", "SID", "Satellite", "TP", "FTA/Scramble", and "Operate". The table is currently empty, showing "No Data". At the bottom right, there is a pagination control showing "Total 0", "10/page", and "Go to 1". There are also "Back", "Save", and "Export" buttons.

3. Click "Add" button, you can select "Add System Channel" or "Customize Channel".

The screenshot shows the CHMax interface with a modal dialog box open. The dialog box has a close button (X) in the top right corner and two buttons: "Add System Channel" and "Customize Channel". The background interface is dimmed, showing the same search and filter options as the previous screenshot. The "Satellite" summary card now shows a count of 1, and the "Transponder" summary card shows a count of 7.

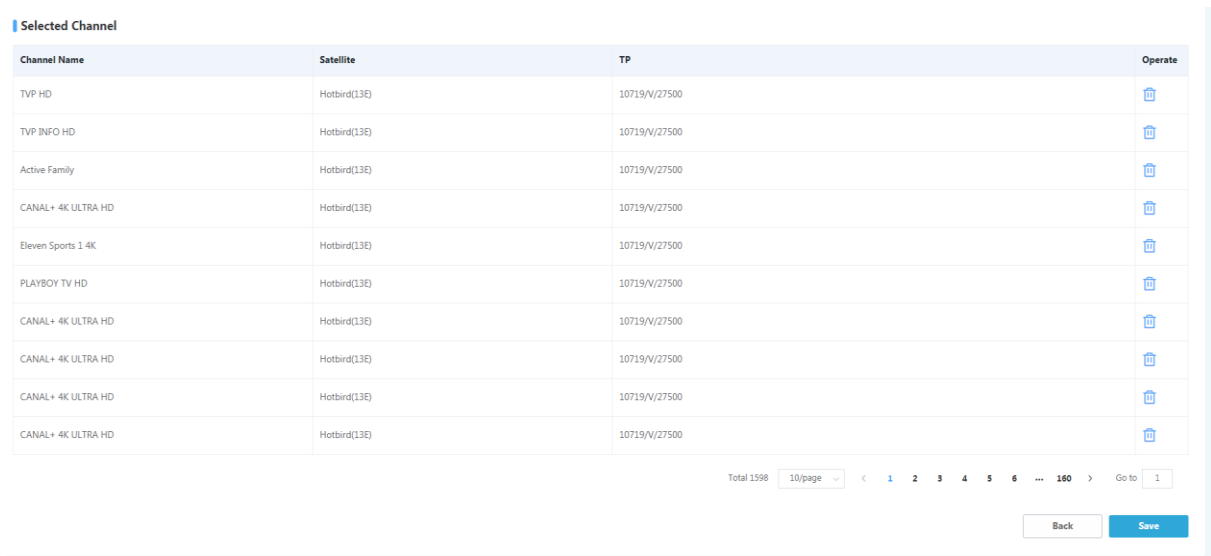
4. Add System Channel

- (1) Select "Add System Channel" and go to "Add System Channel" window.
- (2) You can select the satellite, TP, channel you want in the "Select Channel" area.
  - ❖ TPs under Satellite will be not selected by default.
  - ❖ Channels under TP will be selected by default when the option (Channels Selected by Default) is selected.



(3) You can see all the channels you have selected in the "Selected Channel" area and you can click "Delete" button to delete the channel.

(4) Click "Save" button to save the data and back to CHMax window.



## 5. Customize Channel

- (1) Select "Customize Channel" and go to the "Customize Channel" window.
- (2) Insert all Channel data in this window.
- (3) Click "OK" button to save the data and back to CHMax window.

Back

**Basic Information**

Satellite *	Eutelsat 3B / Rascom QAF 1R(B)-KU	TP *	11647/H/2500 3/4
SID *	1	Channel Name *	TEST
Channel Type *	TV	FTA/Scramble	FTA
Encryption system *	None	PCR PID	
PMT PID	1	Video PID *	1
PVT PID		Provider	
Video Type *	MPEG-2		

**Audio Information** Add

NO.	Audio PID	Audio Language	Audio Type	Dolby AC3	Operate
1	1	English	AAC	No	<span>✎</span> <span>✕</span>

**Subtitle information** Add

NO.	Subtitle PID	Subtitle Language	Subtitle Type	Composition Page ID	Ancillary Page ID	Operate
1	1	Undefined	DVB	0	0	<span>✎</span> <span>✕</span>

## 6. Satellite Manage

- (1) Click "Satellite" button to enter "Satellite" window.

Back

\* Channel List Name  Import

**Satellite** 1

**Transponder** 7

**Favorite** 8

Channel Name <input type="text"/>	SID <input type="text"/>	Satellite <input type="text" value="All"/>
TP <input type="text" value="All"/>	FTA/Scramble <input type="text" value="All"/>	Lock <input type="text" value="All"/>
<span>Search</span>		<span>Reset</span>

TV

Radio

Back

Satellite Name  Satellite Angle  Search Reset

Add Delete

NO.	Satellite Name	Band	Satellite Angle	TP Amount	Channel Amount	Operate
1	Eutelsat 3B / Rascom QAF 1R	KU	3E	7	22	<span>✎</span> <span>✕</span> <span>↓</span> <span>↑</span>

Total 1 10/page < 1 > Go to 1

- (2) You can double click the data of "No.", "Satellite Name" to edit.

<b>NO.</b> ⓘ	<b>Satellite Name</b> ⓘ
1	Satellite

(3) Add Satellite: Click "Add" button, and insert the satellite data in "Add Satellite" pop-up window.

**Add Satellite** ✕

<b>Band *</b>	<input type="text" value="C"/>
<b>Satellite Name *</b>	<input type="text" value="Satellite"/>
<b>Satellite Angle *</b>	<input type="text" value="q"/> <input type="text" value="E"/>

(4) Click "Edit" button to go to "Edit Satellite" window to edit satellite data.

(5) Click "Delete" button to delete satellite.

(6) Click "Move up" and "Move down" button to move the satellite up or down.

## 7. Transponder Manage

(1) Click "Transponder" button to enter " Transponder " window.

CHMax
Back

Import

**Satellite** 1

**Transponder** 7

**Favorite** 8

<input type="text" value="Channel Name"/>	<input type="text" value="SID"/>	<input type="text" value="Satellite"/>
<input type="text" value="TP"/>	<input type="text" value="FTA/Scramble"/>	<input type="text" value="Lock"/>

TV
Radio

Transponder Back

Satellite  Search

TP	Satellite	Channel Amount	Operate
<input type="checkbox"/> 11655/H/4444	Eutelsat 3B / Rascom QAF 1R3E	4	<input checked="" type="checkbox"/> <input type="button" value="🗑️"/>
<input type="checkbox"/> 12507/V/5000	Eutelsat 3B / Rascom QAF 1R3E	2	<input checked="" type="checkbox"/> <input type="button" value="🗑️"/>
<input type="checkbox"/> 12601/H/18845	Eutelsat 3B / Rascom QAF 1R3E	4	<input checked="" type="checkbox"/> <input type="button" value="🗑️"/>
<input type="checkbox"/> 12738/H/15055	Eutelsat 3B / Rascom QAF 1R3E	7	<input checked="" type="checkbox"/> <input type="button" value="🗑️"/>
<input type="checkbox"/> 12625/H/18845	Eutelsat 3B / Rascom QAF 1R3E	3	<input checked="" type="checkbox"/> <input type="button" value="🗑️"/>
<input type="checkbox"/> 11688/H/1000	Eutelsat 3B / Rascom QAF 1R3E	1	<input checked="" type="checkbox"/> <input type="button" value="🗑️"/>
<input type="checkbox"/> 11647/H/2500	Eutelsat 3B / Rascom QAF 1R3E	1	<input checked="" type="checkbox"/> <input type="button" value="🗑️"/>

Total 7 | 10/page | < 1 > | Go to 1

(2) Add Transponder: Click "Add" button, and insert the transponder data in "Add Transponder" pop-up window.

**Add Transponder** ✕

Satellite \*

Frequency \*

Polarity \*  H  V

Symbol Rate \*

FEC \*

(3) Click "Edit" button to go to "Edit Transponder" pop-up window to edit transponder data.

(4) Click "Delete" button to delete transponder.

## 8. FAV Manage

(1) Click "Favorite" button to enter "FAV" window.

CHMax Back

Channel List Name  User List

**Satellite** 1

**Transponder** 7

**Favorite** 8

Channel Name

TP

SID

FTA/Scramble

Satellite

Lock

TV Radio

✧ There are 8 default FAV groups which cannot be deleted.

FAV Name	Channel Amount	Operate
News	0	 
Movies	0	 
Music	0	 
Sports	0	 
Education	0	 
Weather	0	 
Children	0	 
Culture	0	 

(2) You can double click the data of "FAV Name" to edit.

FAV Name ⓘ

(3) Add FAV: Click "Add" button, and insert the FAV name in "Add FAV" pop-up window.

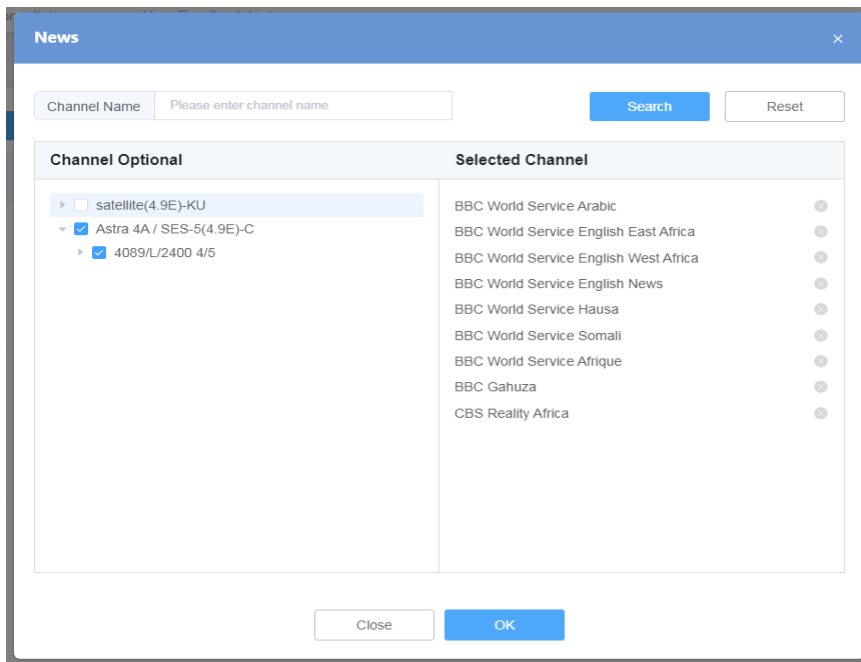
Add FAV ×

FAV Name \*

Close OK

(4) Click "Delete" button to delete transponder.

(5) Add Favorite: You can add the channels to or remove from the FAV group.



## 9.TV/Radio Channel Manage

(1) It shows all the channels you added from system or customization.

TV		Radio					
		Add	Delete	Sort			
NO.	Channel Name	SID	Satellite	TP	FTA/Scramble	Operate	
11	2M Monde	102	Eutelsat 3B / Rascom QAF 1R(3E)-KU	11655/H/4444	FTA	[Icons]	
12	2M MENA	103	Eutelsat 3B / Rascom QAF 1R(3E)-KU	11655/H/4444	FTA	[Icons]	
13	Star Channel	1500	Eutelsat 3B / Rascom QAF 1R(3E)-KU	12625/H/18845	FTA	[Icons]	
14	Makedonia TV	1700	Eutelsat 3B / Rascom QAF 1R(3E)-KU	12625/H/18845	FTA	[Icons]	
15	Echorouk TV	1	Eutelsat 3B / Rascom QAF 1R(3E)-KU	12507/V/5000	FTA	[Icons]	
16	Makedonia TV	3700	Eutelsat 3B / Rascom QAF 1R(3E)-KU	12738/H/15055	FTA	[Icons]	
17	TEST	1	Eutelsat 3B / Rascom QAF 1R(3E)-KU	11647/H/2500	FTA	[Icons]	

Total 17 10/page < 1 2 > Go to 2

Back Save Export

(2) You can double click the data of "No.", "Channel Name", "SID", "TP" to edit.

NO. ①	Channel Name ①	SID ①	TP ①
11	RTS 11	11	3764/R/31250

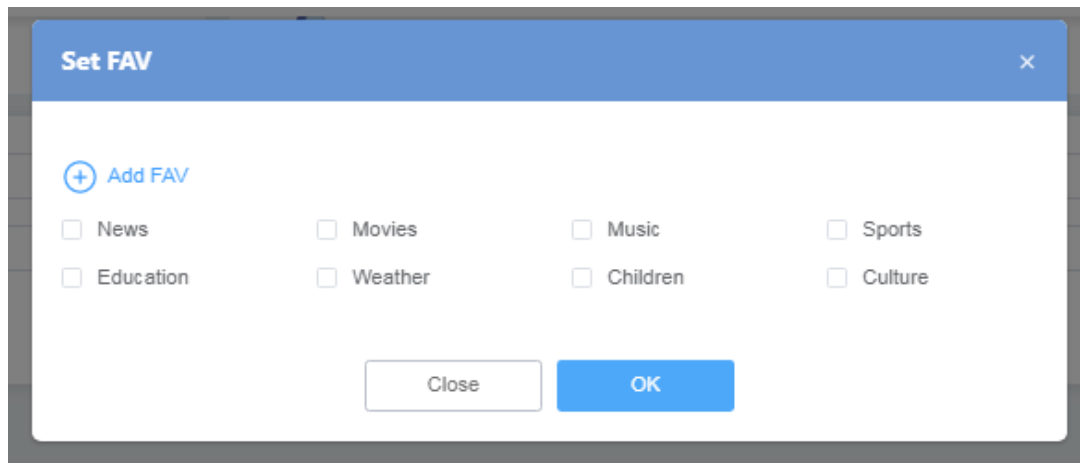
(3) Click "Detail" button to go to "Channel Details" window to check channel details.

(4) Click "Edit" button to go to "Edit Channel" window to check edit channel data.

(5) Click "Lock" button to set the channel to lock state.

(6) Click "Skip" button to set the channel to skip state

(7) Click "Set FAV " button to go to "Set FAV" window to add channel to FAV group.



(8) Click "Move up" and "Move down" button to move the channel up or down.

(9) Click "Delete" button to delete channel.

(10) Click "Sort" button to sort all channels.

- ✧ A-Z : Sort by first letter of channel name from A-Z, special symbols and numbers first.
- ✧ Z-A : Sort by first letter of channel name from Z-A, special symbols and numbers last.
- ✧ Satellite : Sort by satellite order of the satellite list.
- ✧ Transponder : First sort by the satellite order of the satellite list, and then sort by frequency from small to large.
- ✧ Satellite-Name : First sort by the satellite order of the satellite list, and then sort by first letter of channel name from A-Z.
- ✧ Satellite-Frequency-Name : First sort by the satellite order of the satellite list, then sort by the frequency of transponder from small to large, and then sort by first letter of channel name from A-Z.
- ✧ Satellite-Frequency-SID : First sort by the satellite order of the satellite list, then sort by the frequency of transponder from small to large, and then sort

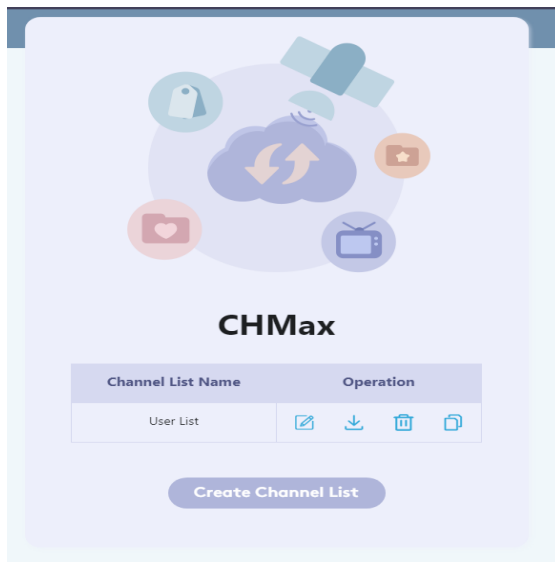
by the SID of the program from small to large.

10. Click "Export" can export CHMax list data file.

ID	Name	Frequency	Power	Program Name
10	Ant1	1300	Eutelsat 3B / Rascom QAF 1R(3E)-KU	12601/H/10018845-FTA

11. Click "Save" to save list and back to previous window, then you can see the list which you add in this window.

MANGO System :



## 1.4 CHMax List Manage

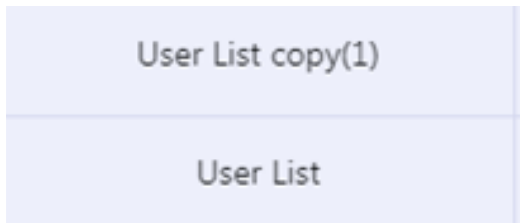
### 1. Edit CHMax list

- (1) Click "Edit" button to jump to the CHMax window and edit various data.
- (2) Click "Save" button to save the modified data, which will not return to the upper-level menu and remain in the current window, and the editing and saving operations can be repeated.
- (3) Click "Back" button to return to the upper-level menu.

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## 2. Copy CHMax list

Click the "Copy" button to copy an identical list, the list default name is "XXXX copy(1,2...)" (XXXX-->CHMax list name)



3. Delete CHMax list: Click "Delete" button to delete the list.

4. Export CHMax list: Click "Export" can export CHMax list data file

## 1.5 STB Interaction

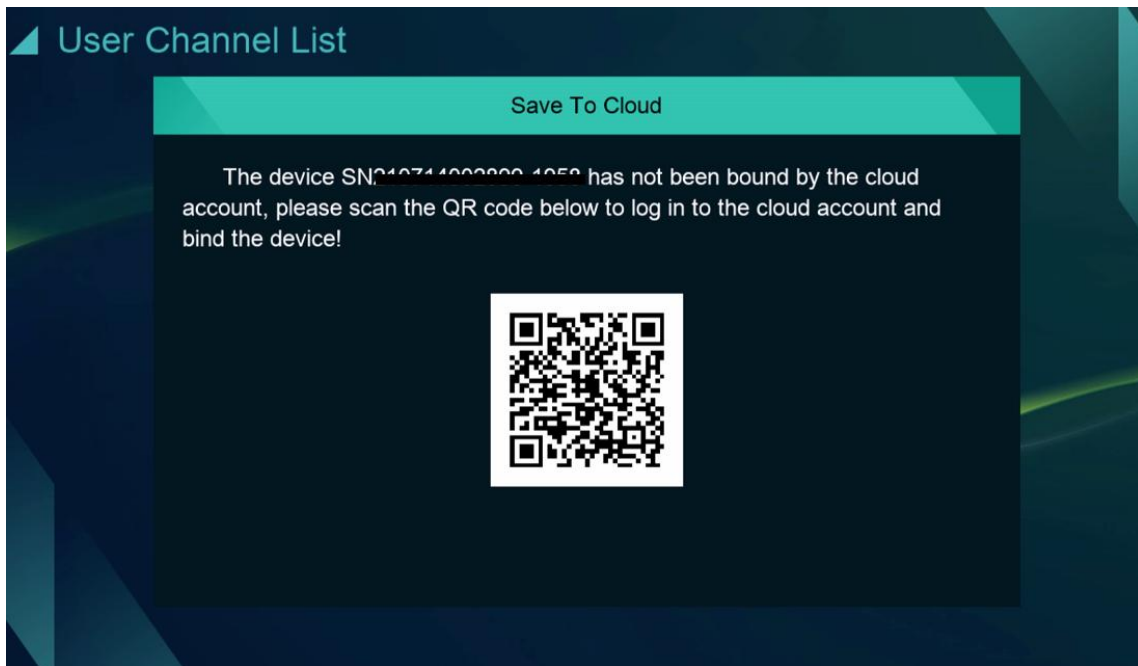
**Please do the followings after connecting to the network!**

1. User Channel List Menu

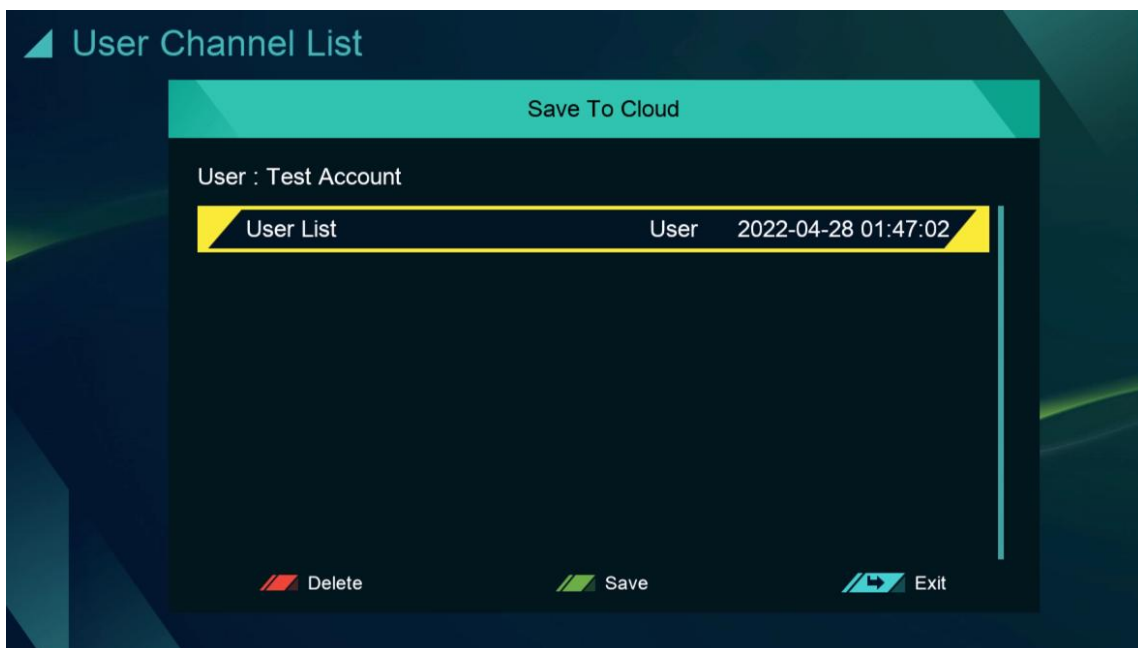
*Menu--Edit Channel--User Channel List*

(1) Save To Cloud

When the SN is not bound to the user account, a prompt window that needs to bind the account will be displayed, as shown below:



When the SN is bound to the user account, it will show all user lists.



Save : Save all satellites, transponder, and channel information on the current box as a CHMax list, and the upload limit is 5 lists.

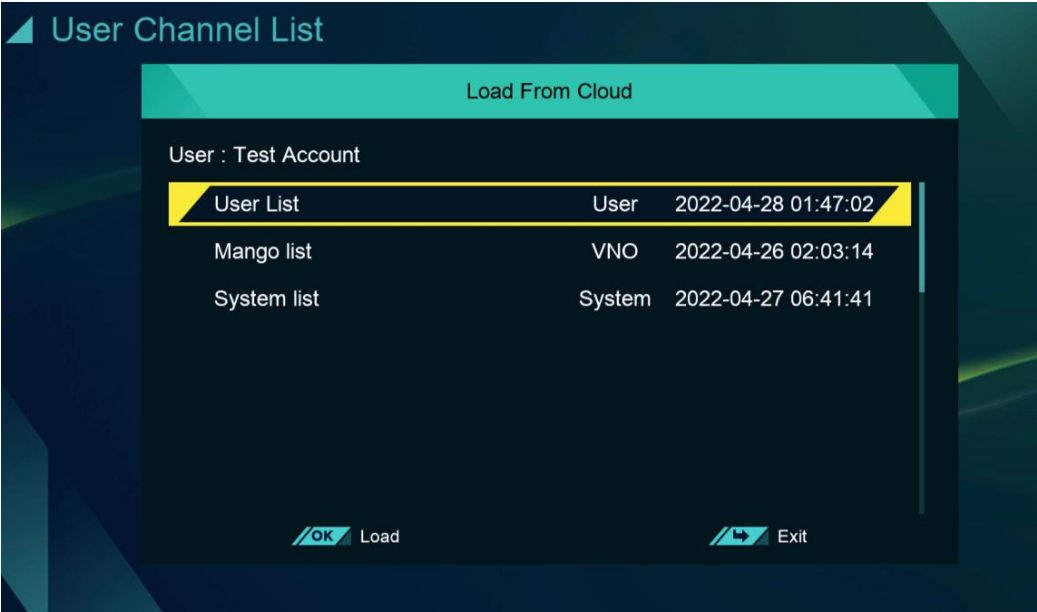
Delete : Click "Delete" button to delete the list.

## (2) Load From Cloud

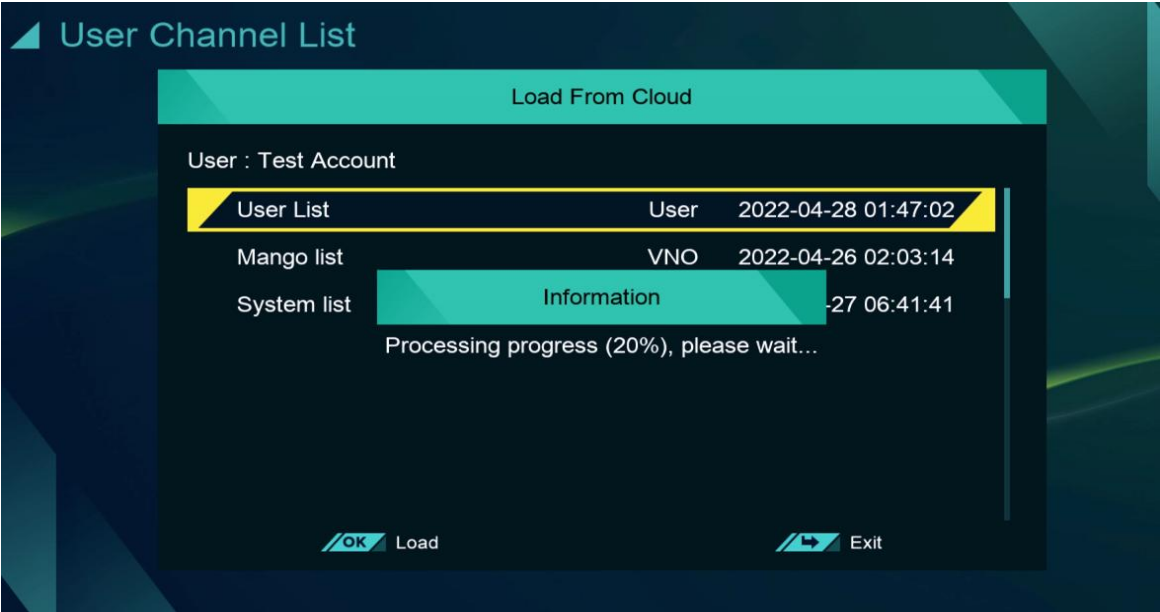
When the SN is not bound to a user account, only the "System" and "VNO" channel

lists are displayed, and the "User" channel list is not displayed.

When the SN is bound to a user account, all the lists are displayed.



After selecting the list, press OK to complete the operation of downloading the list.



Remark:

CHMax List :

System List : Create by administrator in " MANGO MANAGE " system

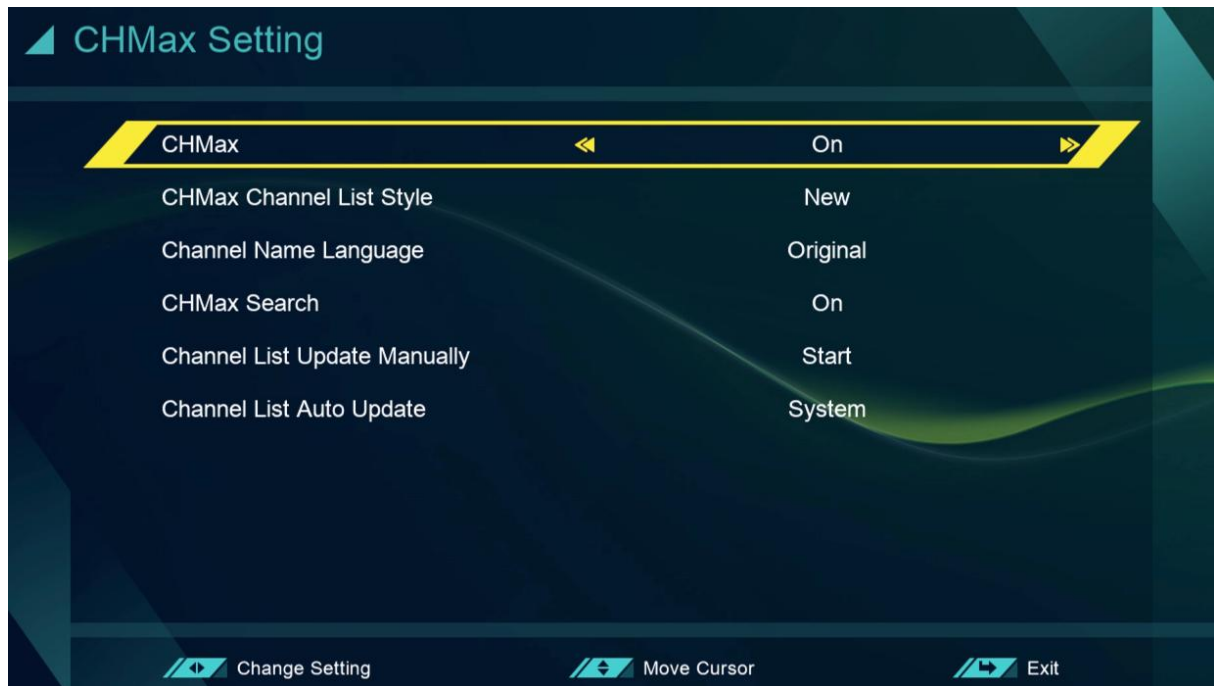
VNO List : Create by VNO account in " MANGO MANAGE " system

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*User List : Create by user account in " MANGO " system or save to cloud from STB.*

## 2. CHMax Setting Menu

*Menu--Setting-- CHMax Setting Menu*



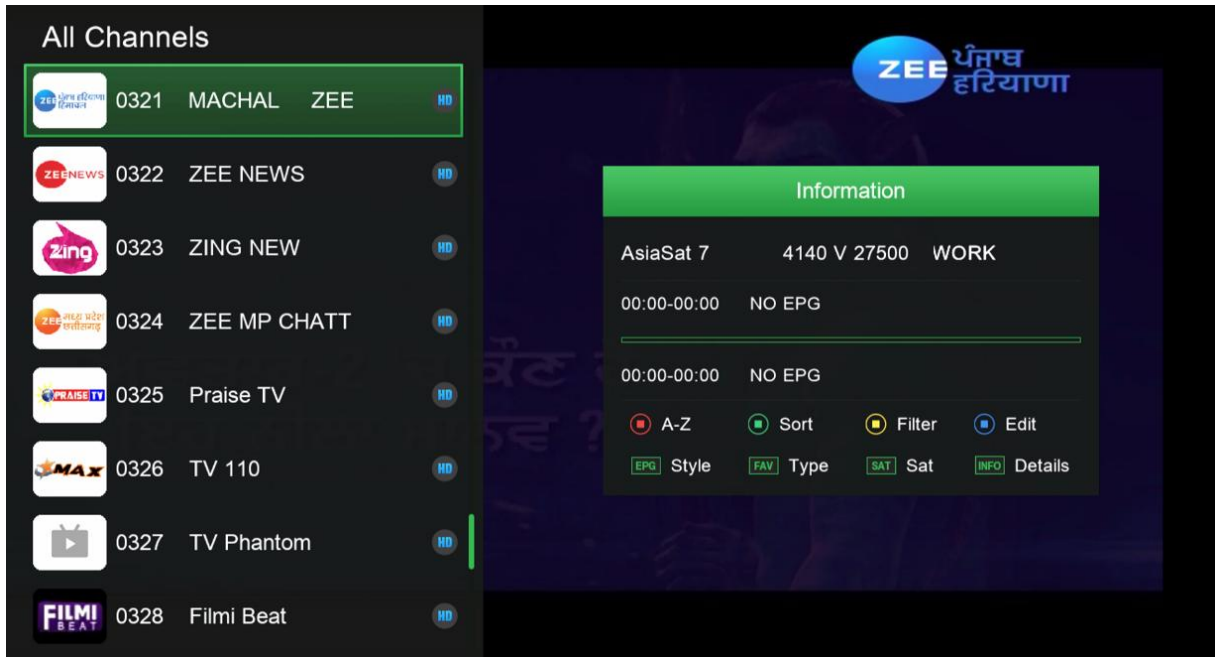
### (1) CHMax

- ✧ Set to On, all items in the program system menu become available.
- ✧ Set to Off, all items in the program system menu become unavailable

### (2) CHMax Channel List Style

You can select new or original list style.

NEW style:



Original style:



### (3) Channel Name Language

You can choose the channel name language to Original/العربي/فارسی/ Français/ Español/ Spanish/ Português/ English.

### (4) CHMax Search

When CHMax Search is set to on and the network is connected, the CHMax search

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is performed, when the network is not connected, the original search is performed.

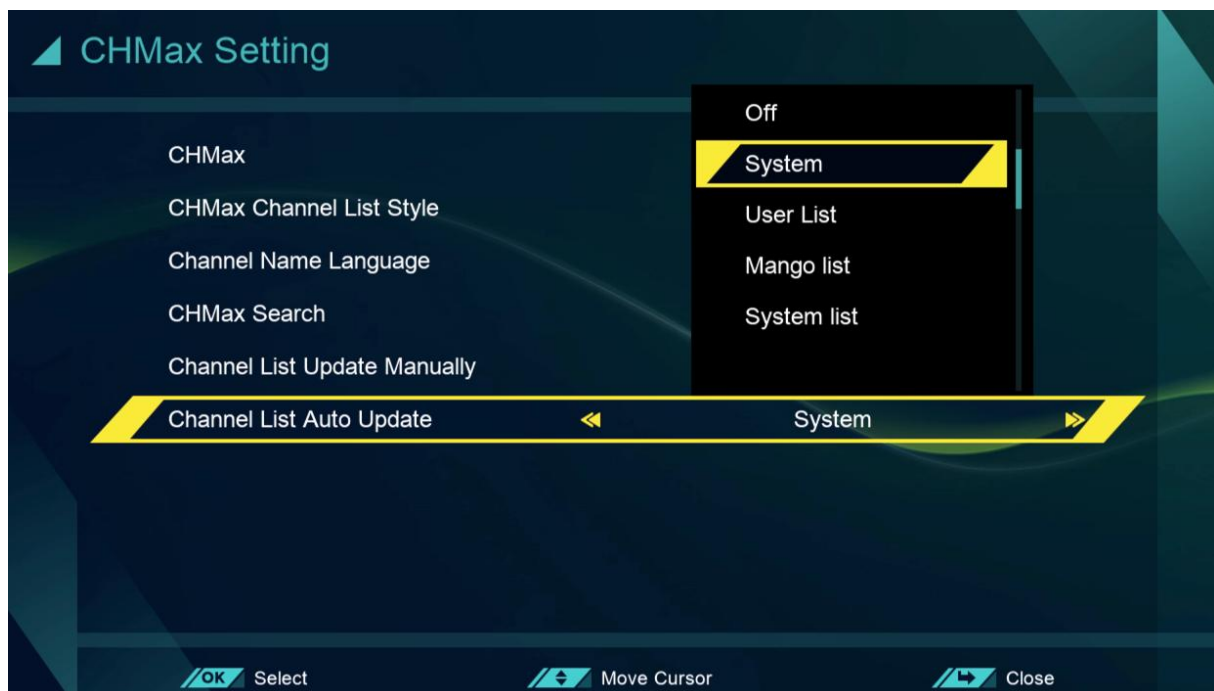
When CHMax Search is set to off, the network is connected/disconnected, the original search is performed.

#### (5) Channel List Update Manually

Click "OK" in RCU to execute manual update and the update source is following the setting of "Channel List Auto Update".

#### (6) Channel List Auto Update:

STB will be auto updated after standby over 10 minutes. The update source is following the setting: Off, System , cloud lists..



*Remark:*

*Off: Not execute auto update.*

*System : It will auto update when detects changes in satellite network data. ( Automatic update only once in 24 hours)*

*Cloud lists: It will auto update after detecting that the cloud list of the " MANGO " system is updated*