

10.1, remote control (Figure 28)

1, Power: Power, standby switch (short-term standby status is, if not longer use the machine, it is proposed to the local switch installed in "0" file, to ensure that the use of battery time).

2, Mute: Mute Key.

3,0-9: Number Key.

4, NINE.P: Nine-picture browse

5, Audio: Stereo / left or right audio select

6, TV / RADIO: TV/Radio switch Key

7, EDITOR: Edit program list

8, Game: Into game

9, INFO: Program information

10, CH▲ : Channel up or cursor up

11, PAUSE: Pause key

12, VOL◀: Volume down or cursor left

13, OK: Confirm key

14, VOL▶: Volume up or cursor right

15, Exit: Exit menu

16, CH▼: Channel down or cursor down

17, Menu: Call menu or close menu

18, P / N: NTSC / PAL transform key

19, EXCHANGE: Program Swap

20, P +: Up page

21, CALENDER: Press this key to display calendar

(the function is optional)

22, A: Empty

23, P -: Down Page

10.2 Car power supply (figure29)(optional)

Connect the power supply with car cigarette lighter, then light turn red, showing they are connected correctly, please connect the power supply into this DC jack, so that you can supply power into the machine or charge the battery

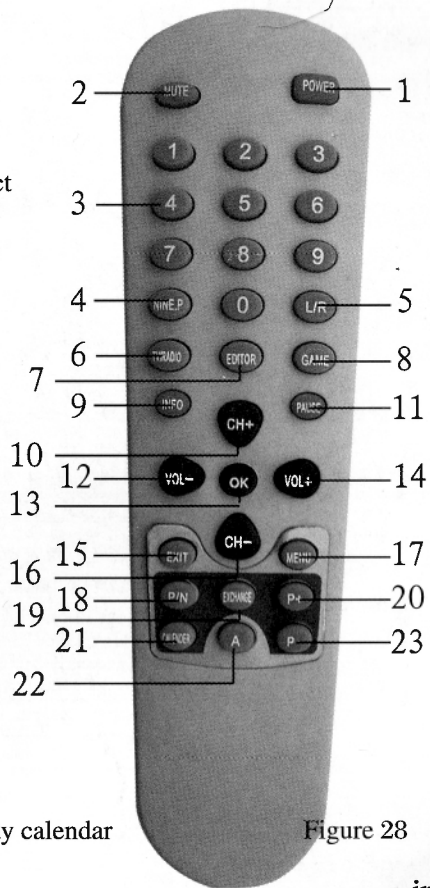


Figure 28



Figure 29

Multi-Function Satellite Finder

Use of a manual



Introduction

Thanks for your purchasing Satellite finder.the Satellite finder with world advanced technology: QPSK demodulator and MPEG- II decoder in full compliance with the DVB-S standards, with newest integrated circuit and TFT, TFD, liquid crystal display technology production; machines Targeting a high-performance, high-capacity lithium-ion polymer battery, the Satellite finder is a collection of satellite television signal and AV signal reception, high resolution LCD display and with DC power supply directly one of the high-tech electronic products. The product is designed of clamshell, displaying on large screen, small size, light weight, it can be carried. It is the absolutely necessary for engineers during their installation of the satellite television reception systems and monitoring equipment system.

To ensure the best use of unit, and long-term normal use, please read this handbook carefully beforehand.

ATTENTION:

- There is no user-adjustable components, Do not remove the rear panel of this product, only qualified technical personnel are permitted to perform maintenance.
- Do not let the child within put anything into the unit, to avoid damage to machinery.
- Don't expose this product to directly sunlight, heat or humid conditions.
- Keep away from strong light while using this product so as to obtain the clearest and the most colorful picture and normal long-term use.
- Avoid heavy impact or drop onto the ground although our machine with incabloc equipment,
- Do not use chemical solutions to clean this unit, Please simply wipe with a clean soft cloth to keep the brightness of the surface.
- Only use the power adapter attached when you charge it.
- Turn off this unit before you plug LNB cable
- Using and safekeeping for the remote control:
For using remote control, the interval of press two keys need beyond one second to assure the veracity of every operation.
Keep the remote control far from hot and moisture places, and avoid impacting.
Do not expose the remote control to intense lamp-house such as direct sunshine or light.
Please try again after change the battery if the remote control not working.
Please take out the battery if not use the remote control for long time, or it will damage the remote control for leaking by the battery.

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1.Appearance

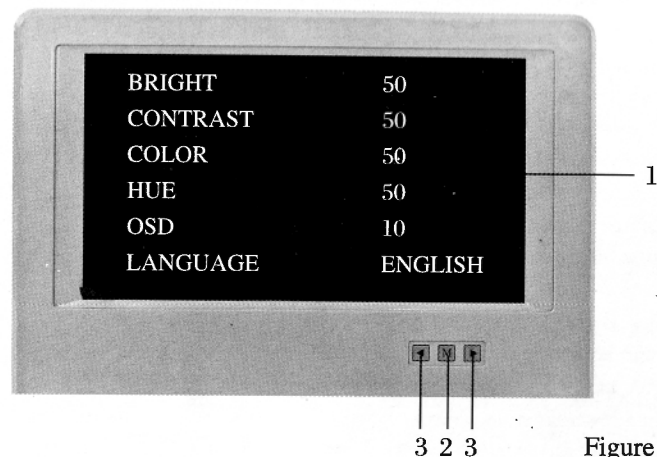


Figure 1

1.1, the above panel (Figure 1)

1, LCD display: show images and other signals .

2,M:MENU button:press this key to enter display screen to adjust the menu's parameters,each time click "M" button to convert among "BRIGHT", "CONTRAST" "COLOR""HUE""OSD""LANGUAGE" and exit.

3,Volume adjustment key, click directly these two buttons to adjust the volume, click this key again to increase or decrease the value after click "M".

1.2, under the panel (Figure 2)

1,signal light:the light is green when receive signal

2, P / N: NTSC /PAL transform key

3,TV / R: TV/Ra dio switch Key

4,power light: the light is red when power is connected

5,TIME: Press this key to display calendar(the function is optional).

6,screen switch :turn off the screen when top lid is close,but other functions still working

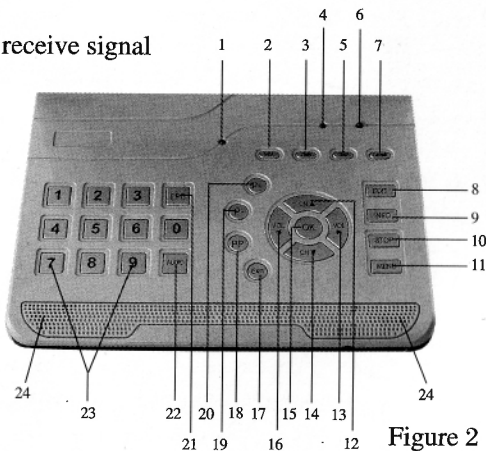


Figure 2

7, Game: Into game

8, EDITOR: Edit program list

9, INFO: Program information

10,STOP: Pause key

11,Menu: Call menu or close menu

12,CH▲: Channel up or cursor up

13, VOL▶:Volume up or cursos right

14, CH▼:Channel down or cursor down

15, OK: Confirm key

16, VOL◀: Volume down or cursor left

17, Exit: Exit menu

18, PP: Program Swap

19,P-:Down Page

20,P+:Up page

21,EPG: Nine-picture browse

22,Audio: Stereo / left or right audio select

23,0-9: Number Key

24,SPEAKER

1.3, rear panel (Figure 3)

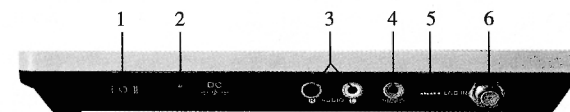


Figure 3

1, power switch: "0 " turn off the unit; "I" search the satellite signal, in this state with A/V output; " II " for A / V signal Receive, with A/V input state;

2, DC: direct power supply (DC8.5 V) input jack.

3, AUDIO: input/output left/right-channel audio.

4,VIDEO: Video of output/input.

5,SIMPLE UPDATE SOCKET:software update socket(note:only suitable for the same style)

6,LNB IN: the satellite signal input socket.

2.the system connecting map (Figure 4)

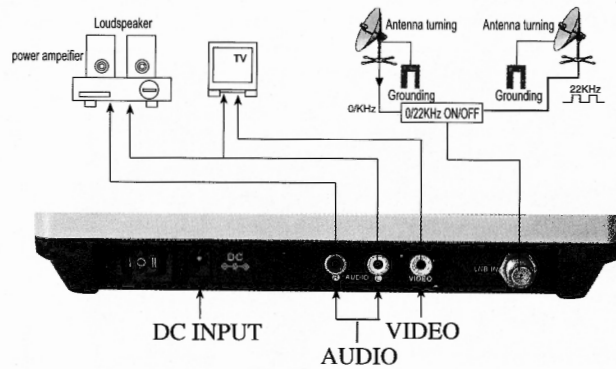


Figure 4

3. operation instruction

3.1.power supply

Built-in battery pack power supply: Internal 7.4 V 3000mAh high - performance lithium-ion polymer battery. Turn on power switch, the battery auto supply, the battery can work more than 2 hours.

An external power adaptor: Please use power adaptor we supply, connect the power DC8.5V at the rear panel to charge.

Charge for Built-in rechargeable battery pack: The battery with intelligent protection circuit to avoid the damage by over-recharge/over-discharge or short-circuit. Please recharge the battery with the attached power adaptor, when the power light is red. (Suggestion: to charge the battery over 8-10 hours before use the unit. The battery can achieve best function after recharge /discharge 2-3 times.).

3.2. receive satellite television signals

Satellite TV signal parameters can be adjusted through the buttons on the under panel or remote control.

Start: turn the power in the state "I" , the LCD display will show the information and the TV signals.

When it's your first time to use the Satellite Finder,it will play the first channel as the factory default setting.

If it isn't the first time to use the Satellite Finder,it will display the channel which played the last time before you turn Satellite Finder off.

STAND-BY:1.under the status of power on , press "power" key on the remote control can make the Satellite Finder in the stand-by mode.

2.Under the status of Stand-by,press "power" key again will wake the Satellite Finder up,and will continue play the channel the satellite Finder in the stand-by mode.

3.You can cut the power of the Satellite Finder to cancel the stand-by function.

Frequently problems: I have turned my Satellite Finder on and not in stand-by mode,there is no program played but displayed a small ball or NO SIGNAL on the screen.

It means that the channel you received has no signal which may caused by follow reasons:

1.You choose the channel not on the satellite which your antenna has been chosen, the simple solution is to change channel.

2.If the signal quality is too bad,you can change to other channel which has good signal quality.If you cannot solve this problem at last,please contact with the nearby agency or other professional man.

3.You used the twin-local frequency LNB,you need modified local frequency setting of the Satellite Finder.

OK KEY:No menu displayed on the screen,press "OK"key,the channel list and small picture will displayed on the TV screen.This small picture is used for fast search the channels you have stored in the satellite Finder. It is convenient for browsing and choosing. Press P+,10 channels will page down,press P-, 10 channels will page up.

VOLUME:When picture displayed in full screen,press VOL▶,VOL◀to adjust volume of the Satellite Finder .

NUMBER:When picture displayed in full screen,press 0-9 number key to choose the channel you want,then press OK key to display the relative channel.

MUTE:1.Press MUTE key to shut the voice,the mute logo displays on the TV screen at the same time.

2.Under the mute status,press MUTE key again to recover the volume.

STOP:1.Press STOP key when the program is in progress,the picture will pause,but the voice continues.

2.Under the pause status,press STOP key again.The picture will skip to the time you press the key and the voice continues.

PP:Pressing this key can return to the channel which last time changed.

AUDIO:1.When picture displayed in full screen,press AUDIO key,fig 5,will be

displayed on the screen to change audio mode.

2. CH▲, CH▼ They are use for move cursor up or down, Use VOL▶, VOL◀ to change.

3. Audio PID only for display, cannot be changed or modified.

INFO: Press INFO key when picture display in full screen, the information window will appear on the screen to show some information about current channel.

TV/RADIO: Under TV mode, pressing TV/R key can switch to radio mode; The same as switch to TV mode.

CHANNEL LIST: 1. Press OK key when picture displayed in full screen it will enter CHANNEL

LIST status, the details can refer to the CHANNEL LIST in follow chapter.

2. Press OK key under CHANNEL LIST status, it will can return to full screen display.

NINE PICTURE: Press EPG key when picture display in full screen, fig 6 will appear on the screen.

1. Under NINE PICTURE status, TV screen will display nine channels preview picture (static) from current channel, but the channel which cursor appoint to can play normally.

2. Use CH▲, CH▼, VOL◀, VOL▶ key to move cursor within the nine channels and the channel which cursor appoint can play normally.

3. When cursor on the channel you want to watch, you can press OK key, and then choose this channel and enter full screen status.

P+/P-: After having set favorite channels, press P+/P- to choose those channels directly.

3.3 Adjust image parameters

With the three buttons on the above panel to adjust image. Press "M" enter the menu in Figure 7:

Bright: adjust the black-level of images to what you want.

Contrast: adjust the degree of discrepancy of the image

Color : adjust level and the color tone (the picture reddish or green)

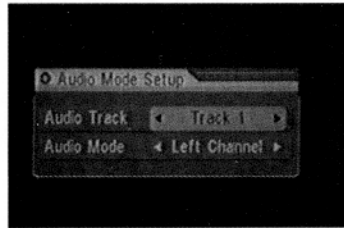


Figure 5



Figure 6



Figure 7

HUE: adjust imbalances in the color images.

OSD: adjust the time of menu on the screen.

Language: choose the following language from menu you want: Chinese English the items need to adjust by "M", the selected option in red background, adjust by "<" / ">" to meet your request, press "M" to confirm.

4, adjust satellite signal

4.1 antenna's azimuth and elevation

If you do not know how to receive the azimuth and elevation satellite, please check the guidance software of this unit, to calculate antenna azimuth and elevation. Please refer to specific operational guidance 6.17.

4.2 to catch satellite signals

On under the panel of the "MENU" button and select channel information, the screen shows in Figure 8, you can also press "INFO" button on remote control into this menu. In Figure 8 Signal quality and signal strength will show.

4.3 Exact debugging

The Satellite Finder does not receive digital programs only if you adjust the antenna up to the value of signal quality not less than 30% and it is steady, following that exactly adjust the installation altitude of tuner to get the best focal distance.

Continue adjust the azimuth up to the MAX value of signal strong degree and signal quality.

5. Receive Audio and Video signal

Turn the power in the state "II", the LCD will show blue screen, AV Jack of rear panel can receive audio and video signal, which can be used for monitoring equipment installation and AV signal of broadcast.

6. the main menu operation:

6.1 Main menu:

Press MENU key to see fig.9 on the TV screen.

1. Use CH▲, CH▼ can move cursor in different item and the one selected will be highlighted.

2. Press OK key can enter into every item and operate.

6.2 TV CHANNEL LIST

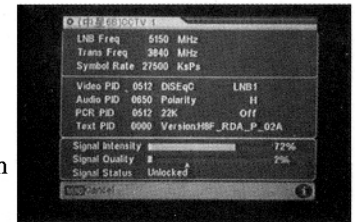


Figure 8



Figure 9



Figure 10

Select TV CHANNEL LIST, fig.10 will appear on the screen.(It is the same as last chapter mentioned, pressing OK key when picture display in full screen can enter the CHANNELLIST.)

1.Pressing CH▲, CH▼ to move cursor up or down.

The preview window will play the channel*s program which cursor selected.

2.Pressing VOL►, VOL◀ to page-up or page-down the CHANNEL LIST.

3.Pressing OK or MENU or EXIT to make the picture return to full screen.

6.3 RADIO CHANNEL LIST

Operation for RADIO CHANNEL LIST is almost the same as TV CHANNEL LIST, the different is only in RADIO CHANNEL LIST, the preview window has no program playing but display the welcome picture.

Frequency problem: I deleted the whole channels by careless, what can I do?

There are two ways to solve this problem:

1.Search channels once again in ADD NEW PROGRAM item.

2.Use DEFAULT VALUE function to recover in SYSTEM SETUP item.

6.4 PROGRAM SETUP

You can see fig.11 when select PROGRAM SETUP. IN this item.

1.Pressing CH▲, CH▼ to move cursor.

2.Pressing OK key to confirm and operate.

6.5 ADD PROGRAM

Input local freq., down freq., polarity, symbol rate, DiSEqC, 22K, 12V, mode, pressing OK to search programs in one transponder as shown in fig.12

1.Pressing VOL►, VOL◀ to move cursor.

2.Pressing number 0-9 to set local freq., down freq., symbol rate, or pressing CH▲, CH▼ to change.

3.Pressing CH▲, CH▼ to change polarity, DiSEqC, 22K,mode.

4.Pressing OK to start searching.

5.Pressing MENU or EXIT to exit.

6.6 SET LNB FREQ.

1.Pressing VOL►, VOL◀ to move cursor.

2.Pressing 0-9 number key input parameter, or press CH▲, CH▼ to change.



Figure 11

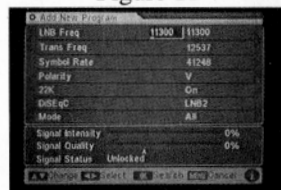


Figure 12

3.Pressing MENU or EXIT to exit. (Fig 13)

6.7 PARAMETER SETUP

This item can modify the parameter or transponder and PID etc.

1.Pressing VOL►, VOL◀ to move cursor.

2.Pressing 0-9 number key input local freq., down freq., symbol rate, video PID, audio PID, clock PID or pressing CH▲, CH▼ to change.

3.Pressing CH▲, CH▼ to change polarity, DiSEqC, 22K, 12V.

4.Pressing MENU or EXIT to exit. (fig 14)

6.8 EDIT PROGRAM

You can read fig.15 when select EDIT PROGRAM. In this item:

1.Pressing CH▲, CH▼ to move cursor.

2.Pressing OK key to confirm and operate.

6.9 DELETE PROGRAM

1.Pressing CH▲, CH▼ to move cursor, you can preview the selected program through preview window at the same time.

2.Pressing OK to mark the program you want delete, press OK again to delete.

3.Pressing VOL►, VOL◀ page up or down the program list.

4.Pressing MENU or EXIT to exit. (fig 16)

6.10 MOVE PROGRAM

1.Pressing CH▲, CH▼ to move cursor, you can preview the selected program through preview window at the same time.

2.Pressing OK to mark the program you want to move. Press CH▲, CH▼ to move that program and press OK to confirm moving.

3.Pressing MENU or EXIT to exit. (fig 17)



Figure 13

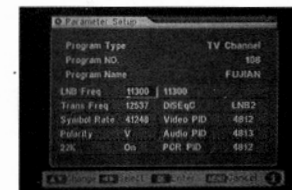


Figure 14



Figure 15



Figure 16



Figure 17

6.11 SET FAVORITE PROGRAM

1. Press CH▲, CH▼ to move cursor, you can preview the selected program by preview window at the same time.



Figure 18

2. Press OK to mark the program you want set to favorite program, press again to cancel the mark.

3. Press VOL▶, VOL◀ page up or down the program list.

4. Press MENU or EXIT to exit. (fig 18)



Figure 19

6.12 INFORMATION

Select INFORMATION, the fig.19 will be displayed on the screen.

6.13 LANGUAGE

Select LANGUAGE to see the fig.20 displayed on the screen.

1. Press CH▲, CH▼ to move cursor.
2. Press OK key to select one kind of language.
3. Press MENU or EXIT to exit.



Figure 20

6.14 SYSTEM SETUP

Select SYSTEM SETUP to see fig.21 display on the screen.

1. Press CH▲, CH▼ to move cursor.
2. Press OK select one submenu.
3. Press MENU or EXIT to exit.



Figure 21

6.15 TV SYSTEM

you can read fig.22 to select TVSYS

1. Pressing CH▲, CH▼ to change TV mode.
2. Pressing MENU or EXIT to exit.

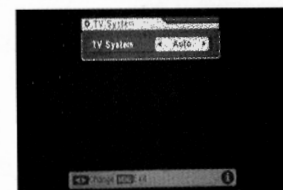


Figure 22

6.16 DEFAULT VALUE

Select DEFAULT VALUE, fig.23 will display on the screen.

Select DEFAULT VALUE, one dialog box that are "This operation will erase all the programs user added and continue?" will appear on the screen.

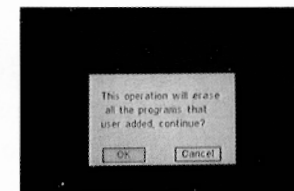


Figure 23

Choose OK to restore factory default or choose CANCEL to cancel this operation.

6.17 SATELLITE GUIDE

Select SATELLITE GUIDE, fig.24 will display on the screen.

1. Press CH▲, CH▼ to move cursor.
2. Press 0-9 number key input local longitude, local latitude, satellite longitude or press CH▲, CH▼ to change number.
3. Then press OK to calculate the antenna's azimuth and elevation automatically.
4. Press MENU or EXIT to exit.



Figure 24

N 49° 05' 34,88"
E 6° 08' 34,29" Alt 177m
Atlantic Blvd 3 5,8°W H

6.18 SOFTWARE UPGRADE

select SOFTWARE UPGRADE, fig.25 will display on the screen.

1. Press CH▲, CH▼ to switch upgrade mode, upgrade mode include channel list, programme, LOGO and all.
2. Press OK key to start upgrade.
3. Press MENU or EXIT to exit



Figure 25

6.19 OSD SETUP

Select OSD SETUP, fig.26 will display on the screen

1. Pressing CH▲, CH▼ to move cursor.
2. Pressing CH▲, CH▼ to change setup, there are 6 kinds of menu color style.
3. There are 8 level of transparency totally.
4. Pressing MENU or EXIT to exit.



Figure 26

6.20 GAME

Select GAME, fig.27 will display on the screen.

1. When cursor stop on the START, press OK to play games.

2. When cursor stop on the DIFFICULTY, press VOL ►, VOL ◀ to change.

3. Press VOL ►, VOL ◀ to adjust the square left or right after game start, press CH ▲ circumscribe the square, press CH ▼ can speedup the square down. Press OK to pause, press again to continue.

4. If the game is in progress, press MENU or EXIT, the screen will appear one dialog box "Do you really want to quit this game?" choose OK to exit the game.

5. Press MENU or EXIT to exit game menu.

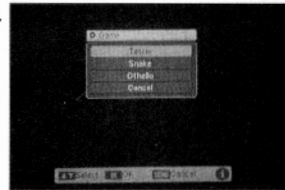


Figure 27

7, the main parameters

an and todion	TFT 7" 336960 pixels	Battery	DC7.4V 3000mAh
A/V output	Audio RCA left/right/stereo channel	Input impedance	75 (F style)
Input frequency	950~2150MHZ	Input signal level	-65 ~-25dBm
Symbol Rate	2~45MbaudsMCPC,SCPC compatible	EB/O Threshold	4.1dB
Demodulation	QPSK	Input voltage	DC8.5V
Video decode	ISO/IEC 13818-ZMP @ML NTSC/PAL	size	205x165x45mm
Audio decode	ISO/IEC 13818-3Layer1 & 2	Weight	800g(with battery)

8, PACKING LIST

■ Satellite Finder	1 piece
■ DC8.5V, 1500mA power adapter	1 piece
■ Hand back	1 piece
■ Use of a manual	1 copy
■ Remote control	1 piece
■ Car power supply	1 piece(optional)

9, THE SOLUTION OF THE SMALL TROUBLE

Problems	Reasons	Solution
No picture and sound after the power is on	1. Check power adaptor 8.5V output or connection	1. Check power input 2. take charge of battery.
	2. battery is lack of power	
"No satellite signal" displayed, when you changed channel	Antenna installation error	Readjusting antenna
	Not connected with LNB input	Connect LNB well
	Launch station is closed	Confirm signal exist and try again
	Over strong of interference	Try again after a while
No picture in the TV Screen	Polarized error	Reselect LNB polarized in the polarized control
	The cable connection with TV is error	Reconnection refer to system connection
	TV was not be set in video	Set the TV to video station
Compounding with noise and radio	Be used to using single audio in inland and the other audio is used to using in radio	Select left audio output

10, Appendix