



EK3931 4 to 4 FTA IRD

1. Preface:

EK3931 is 4 to 4 FTA IRD is a cost effective integrated design of four DVB-S2/S(optional) IRD in one U rack space, every single set performs and operates like a single FTA ASI IRD with separate set of (2 × CVBS,

1 × Audio L, 1 × Audio R) and dual (mirrored) ASI.

This modularized design largely saves the cost of the transport freight, the space of frame rack and power assumption.

In general, it greatly optimizes the functionality and structure of the normal standard-alone FTA IRD, providing users more convenient operating and maintenance experience.

2. Main features:

- ❖ MPEG2 and DVB-S standards compatible
- ❖ User-friendly and easy operating menu
- ❖ Editing all parameters of satellite and transponder
- ❖ OSD TV image-test (DVB ETS 300 706) and subtitle supporting
- ❖ Auto-switching PAL/NTSC
- ❖ Auto-saving the latest channel
- ❖ 4 to 4 IRD module design, more compact in structure
- ❖ Standard 19"1U structure

Endereço: Rua Viçosa do Ceara, 138 – São Paulo – Brasil – CEP: 04363-090

WebSite: <http://www.ekotech.com.br>

E_mail: ekotech@ekotech.com.br

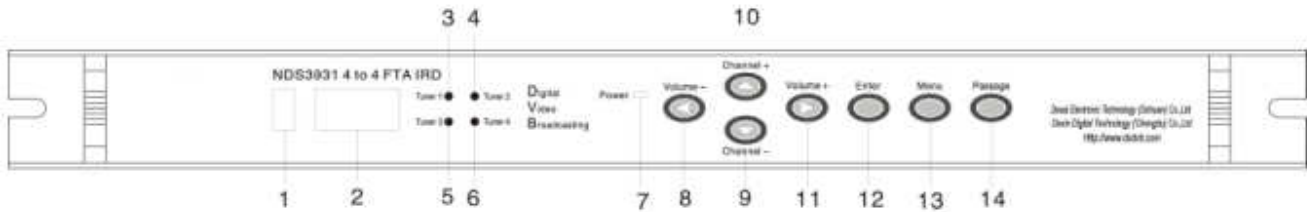
Tel: 55-11-21688550

Fax: 55-11-2168-8551

3. Specification

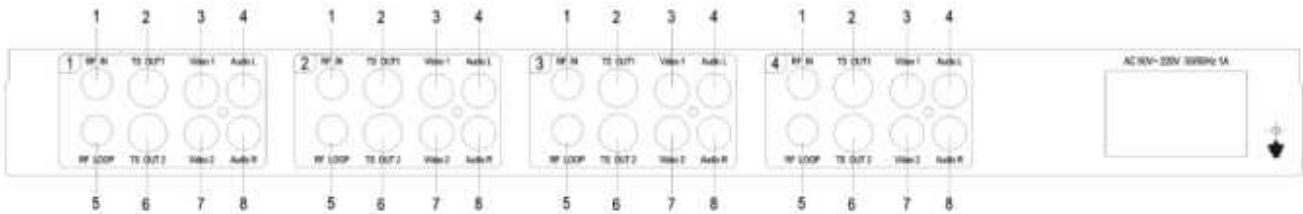
Tuner IN	4×input, 4×loop through output	
Input Level	-65~-25dBm	
Input Frequency	950~2150MHz	
Symbol Rate	2-45Msymbols	
FEC Code Rate	1/2, 2/3, 3/4, 5/6, 7/8QPSK	
Video OUT	4×CVBS(RCA interface)	
Audio OUT	4×Audio(L/R)	
ASI OUT	4×2 BNC interface	
Miscellaneous	Dimension	44mm×482mm×410mm
	Temperature	0~45°C(operating), -20~80°C(storage)
	Power	AC 90~220V, 50/60Hz, 25W

Front panel



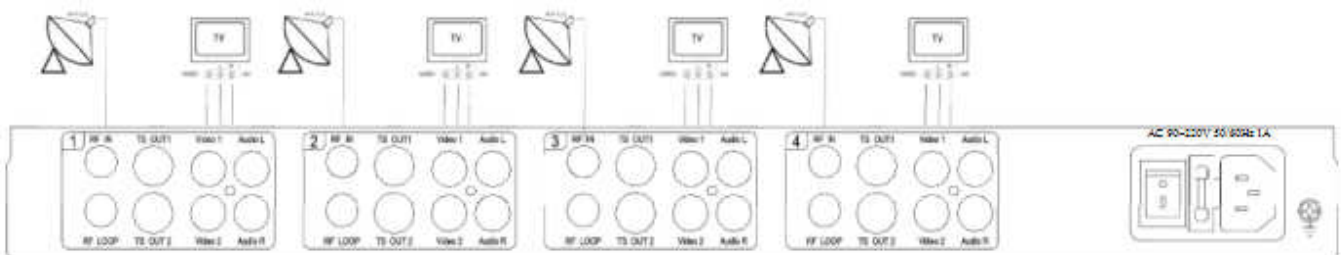
1	Passage display
2	Channel display
3	Signal locked indicator of passage 1
4	Signal locked indicator of passage 2
5	Signal locked indicator of passage 3
6	Signal locked indicator of passage 4
7	Power indicator
8	Volume-
9	Channel-
10	Channel+
11	Volume+
12	Enter key, and it can be used to confirm your choice.
13	Menu key, and it can be used to enter main menu and exit menu.
14	Passage key, and it can be used to choose passage.

Rear panel



1	RF signal input
2	TS output 1
3	Video output 1
4	Audio Left output
5	RF loop output
6	TS output 2
7	Video output 2
8	Audio Right output

4. Installation connection



1. Firstly, user should check whether the RF IN connector is in good condition, and ensure that the internal cable axis and grounding

net couldn't be short. Then, user can connect the cable with F connectors to RF IN interface.

2. Secondly, user should connect the A/V output of this device to A/V input of TV set with A/V cable.
3. Lastly, user should connect the power cord to AC socket.

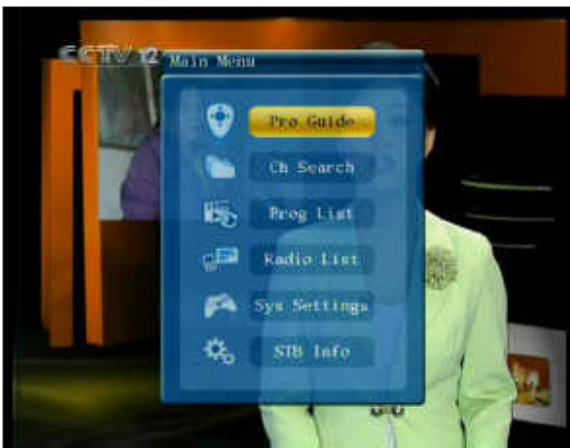
5. Menu information

User can switch on this equipment after finishing installation and cabling. Then, user can choose the wanted passage to operate by pressing Passage key. For instance, when choosing passage 1, user can simply press Passage key to make “passage display” LED show 1, then user can operate the settings of passage 1. When operating other passages, user can follow the above operation.

5.1 Equipment enters into operating mode after user presses Menu key, and the main menu shows as follows:



5.2 User should firstly choose the “Program guide” by Up/Down key, and then the “channel List “will display after user presses Enter key. User can browse programs by Up/Down key. The menu shows as follows:



5.3 Under the main menu, user should firstly choose the “channel search” by pressing Up/Down, and the page “SystemSet-

Search” will be displayed after user presses Enter. The menu shows as follows:



LNB Freq: it is the frequency of low noise block down converter. User can press Enter key to enter editing state or “saving and exiting”. In the editing state, user can move cursor to the number to be modified by pressing Left/Right key, and then user can modify the number by Up/Down key.

Polarity: there are vertical and horizontal optional, and user can select vertical (V) or horizontal (H) with Left/Right key.

22KHz: it can be used to choose a satellite signal input under two or more satellites. User can enable or disable this function by pressing Left/Right key.

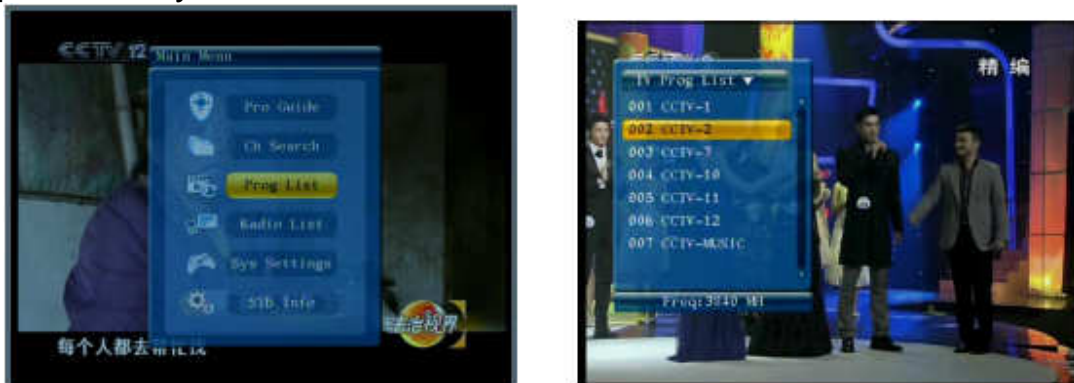
Frequency: it is the frequency menu of satellite IRD, user can add frequency with Left/Right key.

Symbol: it is the symbol rate menu of satellite IRD, user can press Enter to enter editing or “saving and exiting”, in the editing state, user should firstly move cursor to the number to be modified by Left/Right key, and then modify the number by Up/Down key.

Stre: it shows the strength of the satellite signal.

Qual: it shows the quality of the satellite signal.

5.4 Under the main menu, user should firstly choose the “Prog list” by Up/Down key, and the “TV Prog List” will be displayed after user presses Enter. Then user can browse the current programs by up/down key. The menu shows as follows:

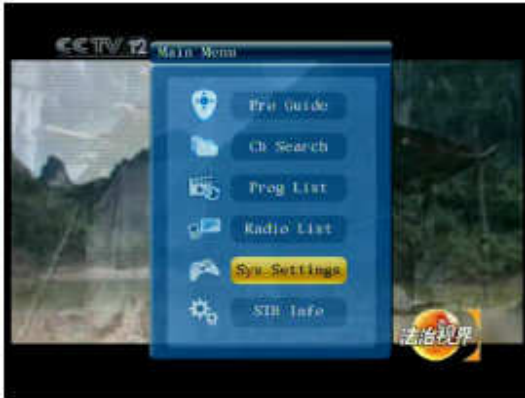


5.5 Under the main menu, user should firstly choose the “Radio List” by Up/Down key, and the “CH List” and “Prog List” will display after user presses Enter key. When there is a signal source, user is able to scan the “CH List” and “Prog List”. The menu will be displayed as follows:



5.6 Under the main menu, user should firstly choose the “Sys

Settings” by Up/Down key, and the “Audio Settings” will be displayed after user presses Enter key. The menu shows as follows:



5.7 The System Set-Track Set will be displayed after user presses Enter key under the “Audio Settings”. There are Left, Right and Stereo optional in “Audio Set”. And user can choose the track by moving up/down key. The menu shows as follows:



5.8 The Video Set will be displayed after user presses Enter under

the “Video Settings”. There are auto, PAL and NTSC optional in Video Set. And user can choose the video format by moving the Left/Right key.

Auto: when user chooses “Auto”, the device will auto-choose the corresponding video format on the basis of the signal source.



5.9 The Image Set will be displayed after user presses Enter under the “Image Set”. User can change the value of Chroma, Brightness and Contrast by moving Left/Right . The menu shows as follows:

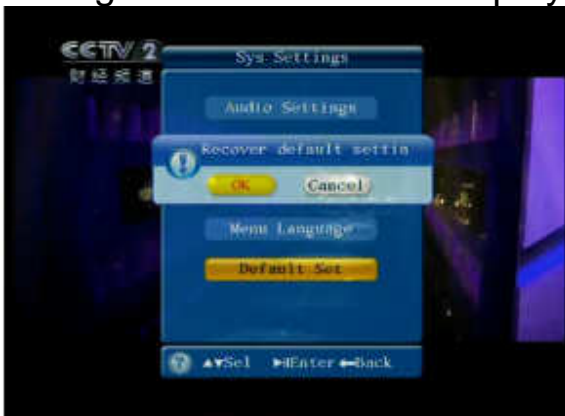


5.10 The System Set-Language set will be displayed after user presses Enter key under the menu language. There are Chinese

and English optional in menu language. The menu shows as follows:



5.11 The following dialog box will display after user presses Enter key under the Default Set. User can choose either OK or Cancel by moving left/right key. When user choose “OK”, device will recover default setting; when user choose “Cancel”, device will save the setting .The menu will be displayed as follows:



5.12 Having entered the main menu with Enter key, user can choose “System Set-System Info” by moving Up/Down key, then the system information will be displayed after user presses Enter key. The menu shows as follows:

