

ECHOLITE®

Echolite DSB-771

Echolite DSB-791

User`s manual

IMPORTANT SAFETY INSTRUCTIONS

Thank you for choosing our product. Before installation, we would like to remind you of some notes, which is very important for operating safely and properly, as follows:

1. Be sure to read this user manual before starting your operation.
2. Never open the cover. It is very dangerous to touch the inside stuff of the unit due to possible electric shock.
3. If you don't use this unit for long time, please pull the power plug out from the outlet. Do not use a damaged power cord.
4. Do not touch the power with wet hands. If there is liquid flow into the unit, pull out the power cord immediately because it may cause fire or electric shock.
5. Place the unit in a well ventilated and no heat environment.
6. You must install the dish with correct direction and angle. If the dish is not working properly, contact your local dealer.
7. Install the unit horizontally. Unbalanced installation may cause the unit to be damaged by itself
8. When the unit is suddenly moved to a hot area from a cold area, it may cause some problems. In that case, turn off the power, and turn on again after 1-2 hours.
9. Install the unit in a place with:
 - good ventilation
 - suitable temperature
 - no direct sunrays
 - low humidity
 - low vibration influence
10. Do not put heavy objects on the unit.

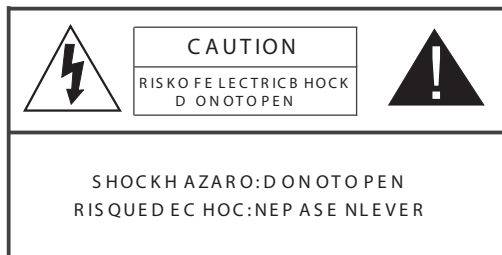
CONSISTSO FTWOPARTS

General:

This mark appears on the rear panel of the receiver.

PART I

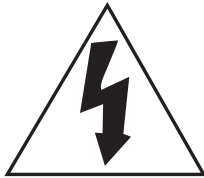
This mark consists of two Graphical Symbols and warning message. The detailed specifications are as follows:



CAUTION: To reduce the risk of electric shock, don't remove cover (or back). Equipment service and maintenance should be undertaken only by trained personnel.

PART II

Each symbol stands for specific meaning.



The lightning flash with arrow symbol, within an equilateral triangle, is to alert the user to the presence of uninsulated dangerous voltage within the product's enclosure that may be of sufficient magnitude to constitute a risk to persons.



The exclamation point, within an equilateral triangle, is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

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1. General Information

The digital satellite receiver allows you to view digital satellite programs. This user's manual covers the installation of the receiver and the necessary steps to operate various features. It also explains special features available only in this receiver in details, which will help you to take full advantage of these features.

1.1 Main Features

- DVB-S, DVB-T COMBO(DVB T+S)
- Fully MPEG2, DVB compliant
- Digital Audio with AC-3 support by SPDIF£Optional£
- PIG (Picture In Graphic) support DiSEqC1.2 positioner for multi-satellites (63 satellites)
- C/Ku band control for each antenna
- User Friendly and easy-to-use menu system
- Various channel editing functions (favorite, moving, locking, renaming, deleting and sorting)
- User programmable various satellite & transponder information
- Automatic search for newly added transponder (Network Auto Search), stores up to 5000 channels
- Easy and fast software upgrade through RS-232 port
- Timer function, automatically turns On/Off by setting function (daily, weekly, monthly, one time)
- Automatic reserved channel moving system
- Electronic Program Guide (EPG)
- OSD Teletext (DVB ETS 300 706) and Subtitle function support
- VBI teletext support
- Antenna positioning help feature
- Multi video output CVBS, RGB
- Provides various switch types, LNB types and NTSC/PAL/SECAM monitor type
- SCPC/MCPC receivable from C/Ku band satellite
- Multi LNB controlled by DiSEqC 1.0/1.1/1.2 and 22KHz switching
- 256 color On-Screen-Display
- Automatic PAL/NTSC/SECAM conversion
- Automatic last channel saving
- Blind search
- USB 2.0 port
- USB software upgradation and JPG file play Via USB

1.2 For Your Safety

- Keep receiver placed in clean space with sufficient ventilation
- Do not cover the STB with or place it on a unit that emits heat
- Clean the case by a soft cloth with a little washing liquid.
- Do not connect or modify cables when the receiver is plugged on
- Do not remove the cover
- Do not let the unit exposed to extreme heat, cold or humid conditions
- No liquids or any other materials to come inside of the unit.

1.3 Unpacking

Please open the package and make sure the following items are inside:

- Remote Control Unit (RCU)
- User's Manual
- Digital Satellite Receiver

1.4 General Operation of receiver

You can easily find the everyday operation of your receiver in this manual.

There are a series of friendly menus displayed on screen when you turn on the unit. These menus will guide you through installation, channel organizing, viewing program and many other functions.

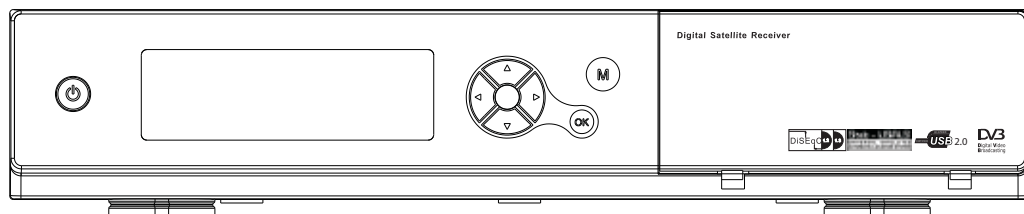
All functions can be achieved by using the buttons on the RCU, and some of them can also be access by using the buttons on the front panel.

Pay attention to TV/SAT Key. Press once, to change from Sat mode to normal TV mode. Press twice, it'll change from TV mode to VCR mode, to transfer signal from VCR to TV.

Please be aware that any new software ported afterwards may change the functions of the receiver.

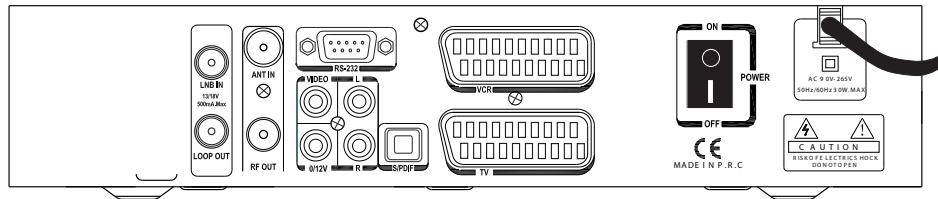
Should you encounter any difficulties with the operation of your unit, please find help from the Problem Shooting section in this manual, or call the local after-sale service center.

1.5 Front Panel



Key	FUNCTION
POWER	Turn on /off receiver
MENU	Shows the main menu and back to previous menu
OK	Confirm the selection, or jump back to last menu
CH+ CH-	Channel change (up/down)
VOL+ VOL-	Volume control(up/down)



1.6 Rear Panel



CONNECT OR	FUNCTION
LN B IN	Connect to satellite antenna cable
LOOP OUT	Connect to another receiver (IF loop through output from digital tuner)
RS232	Connect to PC for software upgrade
VIDEO	Connect to the TV's video port
AUDIO R/L	Connect to TV's audio ports
S/PDIF	Connect to TV for digital audio output (Optional)
VCR SCART	Connect to VCR using SCART cable
TV SCART	Connect to TV using SCART cable
ANT IN	Signal input from local CATV network or outdoor TV antenna
RF OUT	UHF RF output to TV set's antenna in
POWER ON/OFF	Power on/ off the receiver

Note: S/PDIF port can be replaced by 0/12V, as an option to control external 0/12V switch.

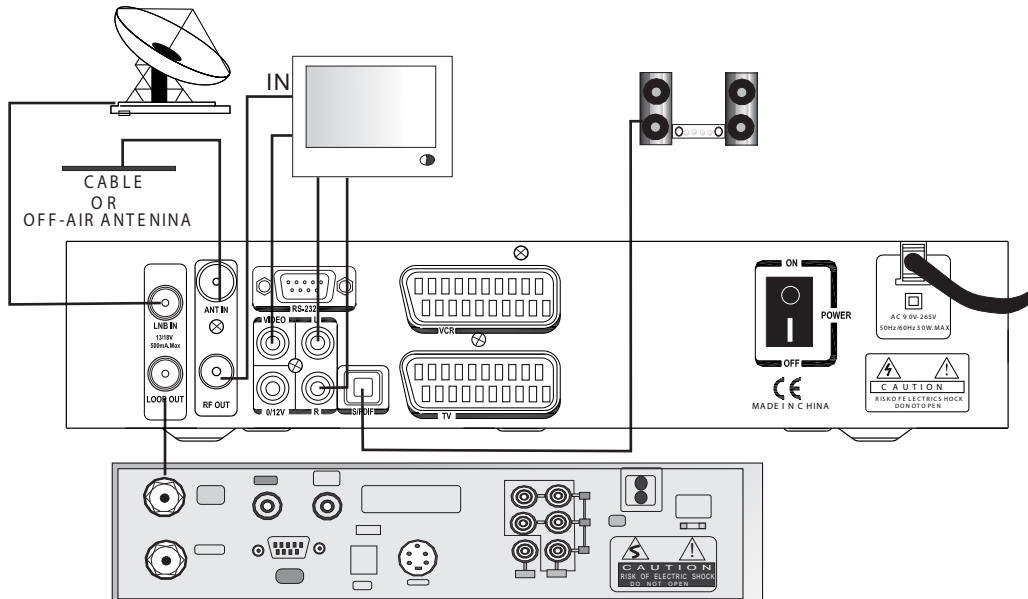
1.7jRCU

KEY	FUNCTION
	Turn on /off the STB
TV/SAT	Switch among TV/AV/VCR mode
PAUSE	Pause the ongoing Video and Audio
SLEEP	Set time to standby
SAT	Display the satellite list which has been searched
0-9	Keys to enter the channel's number
RECALL	To jump back to the previous channel you've viewed
TTX	Teletext Key
SUB.T	Subtitle key
ZOOM	Zoom in / out the selected picture
MP	Picture in Picture function
MENU	show main menu on screen, or jump back to previous menu in sub-menu setting conditions
EXIT	Escape from present menu and save the settings
OK	Confirm the selected item in the menu screen or show the Channel list
VOL ◀▶	Volume control, or more cursor left/ right
CH ▲▼	Channel change, or move cursor down/ up
EPG	Show EPG (Electronic Program Guide)
FAV	Display the favorite channel list
	Shows current channel's information
UHF	UHF channel selection
MUTE	When watching a channel, mutes the sound
PAL/NTSC	PAL/NTSC selection
AUDIO	Select the Audio language
POSITION	Display position bar on the screen to adjust the antenna or for manual search
TV/RADIO	Switch watch TV program or radio program
REC	To record current channel
T/S	Time shift

2. Installation of receiver

Please find relevant reference of installation described as below. When connecting new equipment to the receiver, be sure checking first related instructions for the proper way of installation.

2.1 Connecting to Antenna and TV



2.2 Connecting to TV using RCA support

