

Satlink 2800
Satlink 2800 12V

Digital Satellite Receiver

User's Manual

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General Information Main Features

- DVB/MPEG-2 Compliant
- Max. 4000 Channels TV & Radio Programmable
- Max. 128 Satellites Programmable
- CD Quality Sound (MPEG 1, Layer 1, 2)
- Multi-Function

- Advanced Electronic Program Guide (EPG)
- Full 7 days EPG With Time Reservation
- Supports automatic Turn-On and Off in Timer Settings
- Supports OSD/VBI Teletext and Subtitle

- Normal/Wide Vision (4:3 , 16:9)
- Multi Language OSD Menu
- Multi Reception (PAL/NTSC)
- Last channel Memory
- Friendly User Interface
- True Color Background Image
- PIG (Picture In Graphic)
- Multi Picture (1 Live / 8 Still)
- Easy Installation
- SCPC & MCPC Receivable from C/Ku-Band
- Program search via automatic, advanced and manual and N.I.T (Network InformationTable)
- Favorite Channel List
- 8 Favorite Groups
- Compatibility
- DiSEqC1.0, DiSEqC1.2 and USALS Control Compatible
- Data(S/W and channel data) transferable from PC
- Flexibility
- Program List Download through RS-232C (Receiver to Receiver, PC to Receiver)
- Software Upgrade through RS-232C (Receiver to Receiver, PC to Receiver)

For Your Safety



WARNING

TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

CAUTION

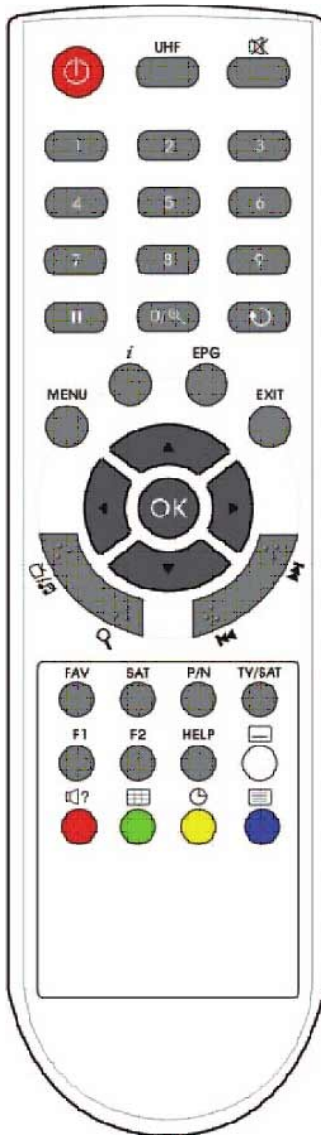
CHANGES OR MODIFICATIONS NOT EXPRESSLY APPROVED BY THE MANUFACTURER COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

Unpacking

-After purchasing the receiver, unpack it and check to make sure that all of the following items are included in the packing.

- 1 x Receiver
- 1 x Remote Control Unit
- 2 x AAA Batteries
- 1 x RCA Cable
- 1 x User Manual

Remote Control Unit



- POWER : Switch between the operation and standby modes.
- TV/SAT : Select the TV or Receiver display.
- MUTE : To turn the sound on/off.
- PAUSE : To select the freeze function.
- NUMERIC (0~9) : Alphanumeric to select channel or parameter.
- TV/RADIO : Press to select the TV/RADIO mode.
- AUDIO : Select the Left, Right and both sound.
- MENU : For the general setting and configuration of systems.
- EXIT : Press to return to the previous menu and screen.
- CH UP/DOWN : Change channel and page up down in channels list of menu.
- OK : Confirm or accept function or selection.
- VOL DOWN/UP : Navigate in menu or adjust volume of audio.
- INFO : See the TV & Radio & Favorite Channels.
- Exit : Return to the previous channel or previous menu.
- WHITE, RED, GREEN, YELLOW, BLUE : Color key for convenient user action.
- EPG : Electronic Program Guide button displays the TV/Radio Program guide.
- TELETEXT : See the Teletext broadcasting when available.
- SUBTITLE : Press to display the subtitle language list for the current service.

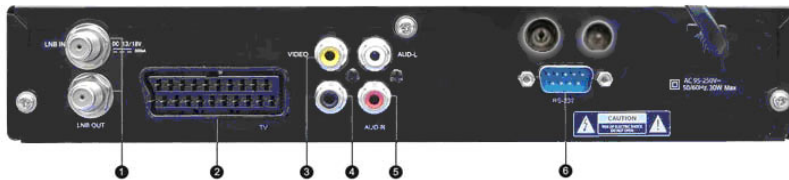
Front Panel Controls



Power Button Turn the IRD On and Off (Stand-by) mode..
Menu Button : For the general setting and configuration of systems.
Ok Button Confirm or accept function or selection.
Channel UP/DOWN Button Change channel up/down in channels list.
Volume UP/DOWN Button Change volume up/down

LED Display Indicate program number and setting status of receiver with 4 digits 7 segment

Rear Panel Controls



1. LNB IN/OUT

LNB terminal for signals from LNB of Antenna. The power is supplied to LNB through this terminal

2. SCART

This SCART connection provides the audio and video signals for a monitor or a television.

3. VIDEO

This RCA provides a composite video signal for the connection to a TV or VCR/DVD recorder

4. 0/12V

0V or 12V output

5. AUDIO L/R

These two RCA jacks provide the stereo audio for an A/V amplifier, TV or VCR

6. RS-232

This terminal provides a serial data connection to data download from your PC.

Installation

Connecting to TV using SCART support



Menu Guide Channel List

- Press [OK] to display the channel list while your are watching.
- You can leave the channel list at any time by pressing [EXIT/BACK].
- If you want to change channel in the list, use [P+/P-] or [□].
- Press < > Keys to change display mode.
All Satellite - One Satellite



Rename

- On the RCU, press the [MENU] key.
- Select the TV Channel Manager.
- On the RCU, press the [YELLOW] key.
- On the RCU, press the [YELLOW] key.
- You can edit the selected channel name within the pop-up window with numeric button and select OK to save



Lock

- On the RCU, press the [MENU] key.
- Select the TV Channel Manager.
- On the RCU, press the [Blue] key.



Move

- On the RCU, press the [MENU] key.
- Select the TV Channel Manager.
- Go to the Channel you want to Move.
- On the RCU, press the [WHITE] key.
- Move the Channel to where you want it.
- On the RCU, press the OK key



Delete

- On the RCU, press the [MENU] key.
- Select the TV Channel Manager.
- On the RCU, press the [RED] key.
and select Exit and confirm the change



Channel Guide

- Press [EPG] to see Channel Guide. This guide will display the titles and start times for programs (events) which are now broadcasting
- Press [RED] to switch between the now and next and schedule view



Switching TV and Radio

- Press the "TV/RAD" button to switch TV or Radio.



Main Menu

- Once you have properly installed and connected all cables of the receiver, the Main Menu will be displayed by pressing [MENU].
- Main menu consists of submenus as below.
 - Channel
 - Installation
 - System
 - Tools
 - Game
- Some menus need the password.
- Default password is "0000"



Installation

- You can search for channels in this menu as well as change
 - LNB Type and Switch Configuration.
 - Single Satellite Search.
 - Multi Satellite Search.
 - TP Edit.



Antenna Connection

- Before searching, the satellite antennas environment should be set.

LNBS have different L.O. frequencies, you will need to make sure that this is correctly set :



10750 MHz



11300MHz



11300MHz



Antenna Setup

• Before searching, the satellite antennas environment should be set. (LNB Local Frequency, DiSEqC1.0/DiSEqC1.2/USALS, 22khz, 0/12 volt control)

- Note 1: If you choose motor antenna at antenna connection menu, the motor type will need to be setup.



Single Satellite Search

- Press > to select the parameter to change.
- Press [OK] to start search one selected satellite at 'Search'



Multi Satellite Search

- Press [OK] to start search selected satellites at 'Search'



TP List

- Press [YELLOW] key, open edit TP menu. User can edit TP info. Frequency: "3000~13450 MHz", Symbol Rate: "1000~45000Ks/s".
- Press [GREEN] key, open new TP menu. User can add a new TP.
- Press [YELLOW] key will open dialog box asking you whether confirm to delete current TP. When select "Yes", you will delete the channel which highlight focus on. When select "No", it will cancel the operation.
- Press [RED] key will display a dialogue box. You can select "FTA Only, Scan Channel, Network Search" items, then move highlight to "Yes" button and press [OK] to begin to search.



System Setup

- The System Setup has 8 menu items as follows.
 - Language.
 - TV System.
 - Local Time Setting.
 - Timer.
 - Startup Channel
 - OSD Setting.
 - Parental Lock



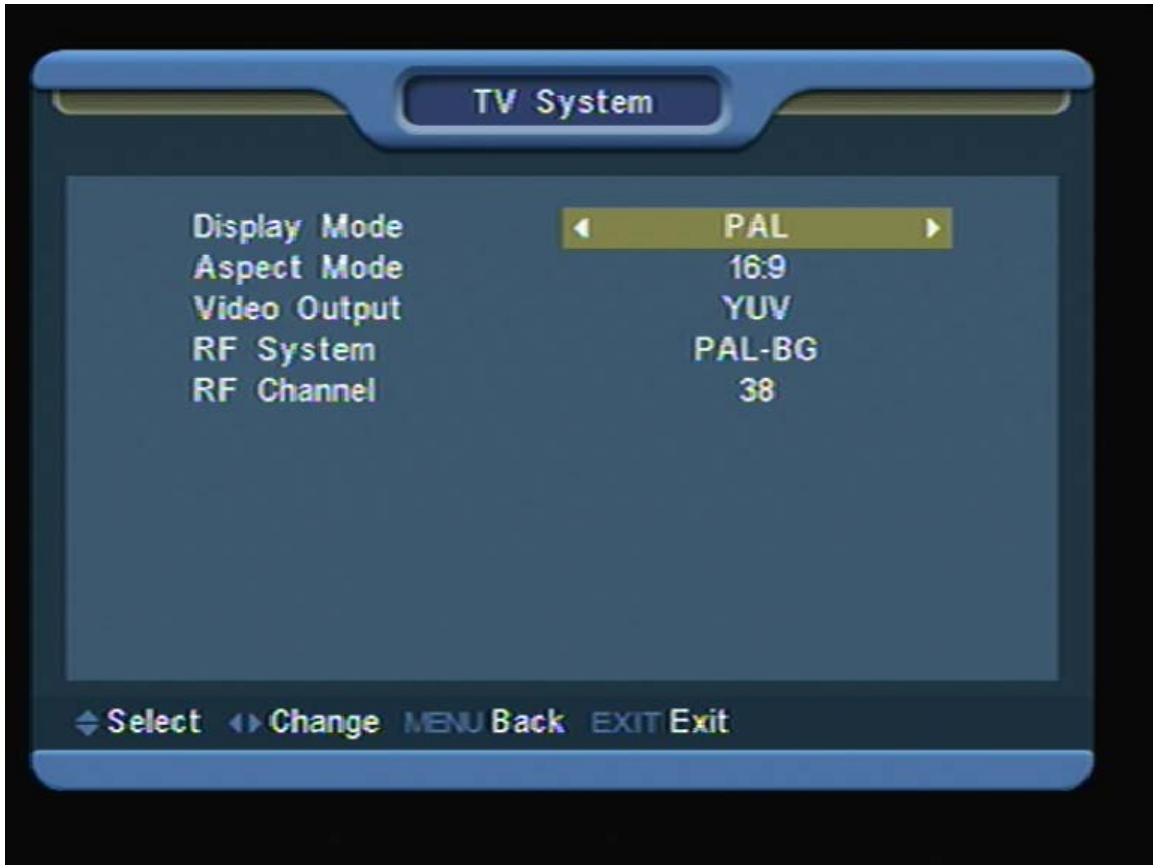
Language

- Menu Language, First Audio Language, Second Audio Language and Teletext Language are selectable.



TV System

- Select the type of TV Signal output and TV Aspect Ration.
- Press > to select PAL and NTSC.
- Press > to select between 4:3 and 16:9.
- Press > to select between CVBS and RGB and YUV (Component Video)



Local Time Setting

- Press > to select parameters to change.
- To change Time Zone, press >.
- To set GMT usage, press >.
- To set Summer Time, press >.
- To set Date/Time by manually (appropriate for NZ), GMT usage should be off



Timer Setting

- This receiver provides 8 timers.
- Press > to select one timer
- Press > to select Off, Once and Daily.
- Press > to select wakeup channel
- Press > to select wakeup date
- Press > to select on time
- Press > to select duration to go standby mode



Parental Lock

- Menu Lock determining that when users wish to enter “Edit Channel/Installation/Tools” menu, whether have to input Password or not. If the setting of “Menu Lock” is “Yes” which means user have to key in password, set “No” means unlock.
- Channel Lock determining that when users wish to play the lock channels, whether have to input the password or not. If the setting is “Yes”, play the channels with lock mark will show up a dialogue on the screen and ask for the password. If the setting of “Channel Lock” is “No”, the Lock function will invalid.
- New Password is used for revising password; you can input the new password in this item by using number keys directly. After you filled in 4 digital numbers, the highlight will auto skip to Confirm Password and ask you to input the new password again. If the password is correct, the screen will show up a message of “Saving Data, Please Wait...”. After finish saving and draw back to “System Setup” menu, the revising is complete.



OSD Setting

- Press > to set duration (1 ~ 10 seconds) that the program information plate is displayed on the screen when you change channel.



Tools

- You can do some more function as below
- Information
- Default Setting
- S/W Upgrade



Information

- This menu displays bootloader version, main software version, and database version.
- You can refer this information when S/W upgrade.

Factory Setting

- If you want to bring receiver back to the factory default condition, select Factory Default Setting and press [OK].
- The warning message will be displayed. Press [OK] to confirm.



Upgrade By RS232

- At this menu, allcode/maincode/radioback/etc can be upgrade via RS232, select “Start” and press [OK].
- During upgrade selected data, the progress bar will be display to 100%



Game

- This receiver provides games, Tetris, Othello and Snake.



Technical Specification

- LNB/TUNER
 - DiSEqC1.0/1.2
 - LNB Power : 13[V]/18[V] (Max500mA)
 - LNB Tone Switching :22KHz \pm 2KHz(0.6Vpp)
 - Input Frequency : 950MHz ~ 2150MHz
 - RF Input Level : -65 ~ -25dBm
 - LNB input and loop through output connector : IEC 169-24 Female
- Demodulator
 - Waveform : QPSK
 - Symbol Rate : 1~45Msps
- Demultiplexer
 - Standard : MPEG-II
 - Input Data Rate : Up to 60Mbps
- Video
 - Standard :MPEG-II MP@ML
 - Input Bit Rate : 1.5[Mbps] ~ 15[Mbps]
 - TV Standard : PAL/NTSC
 - Aspect Ratio : 16:9, 4:3
 - Active Pixel : 720*576 for PAL
 - CVBS Output Level : 1[Vpp] \pm 3[dB] at 75[Ω] and 1[KHz]
 - RGB Output Level : 0.7[Vpp] \pm 10% at 75[Ω]
- Audio
 - Standard : MPEG-II layer 1&2
 - Mode : Stereo, joint Stereo, Dual, Mono
 - Band width : 20[Hz] ~ 20[KHz] at 3[dB]
 - Output Level : 3.0[Vpp]max, or 5[dBm]min(@1[KHz])