

STRONG

DIGITAL TV

Digital Wireless Satellite Receiver with Digital Recorder SRT 6300 W Digital Wireless Satellite Receiver SRT 630 WS



User Manual



SRT 6300 W

SRT 630 WS

DVB
Digital Video
Broadcasting

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TABLE OF CONTENTS

1.0 INTRODUCTION	3
1.1 Safety Instructions	3
1.2 Storage	4
1.3 Equipment Set-up	4
1.4 Introduction	4
1.5 Features & Accessories	5
2.0 YOUR RECEIVER	6
2.1 Master SRT 6300 W Front Panel	6
2.2 Master SRT 6300 W Rear Panel	6
2.3 Slave SRT 630 WS Front Panel	7
2.4 Slave SRT 630 WS Rear Panel	8
2.5 Remote Control	8
3.0 INSTALLATION	10
3.1 Master SRT 6300 W	11
3.2 Slave	13
3.3 Wireless Network Configuration	15
4.0 QUICK START	17
5.0 MENU OPERATION	17
5.1 Main Menu	17
5.2 Channel Organizer	18
5.3 Favourite Organizer	19
5.4 Timer Setup	20
5.5 Installation	21
5.6 Media Base	28
5.7 Media Base Management	29
5.8 Media Base Transfer	29
5.9 Common Interface (Master Only)	30
6.0 FUNCTION GUIDE	31
6.1 Channel List	31
6.2 Information Box	31
6.3 EPG (Electronic Programme Guide)	32
6.4 Subtitle	32
6.5 Teletext	32
6.6 Sound Track	32
6.7 Time Shifting	33
6.8 Recording	33

6.9 Play Files	34
6.10 Stop	34
6.11 Pause	34
6.12 Slow Motion Playback	35
6.13 Fast Forwarding and Rewinding	35
6.14 Bookmark	35
6.15 Repeat	36
6.16 Picture In Picture (PIP, Master Only)	36
6.17 Keyboard	37
7.0 TURN OFF SYSTEM	38
7.1 Master	38
7.2 Slave	38
8.0 SOFTWARE UPDATE	38
9.0 SPECIFICATIONS	39
9.1 Master	39
9.2 Slave	40
10.0 TROUBLESHOOTING	42

1.0 INTRODUCTION

1.1 Safety Instructions

DO NOT INSTALL YOUR RECEIVER:

- In a closed or poorly ventilated cabinet; directly on top of or under any another equipment; on a surface which might obstruct the ventilation slots

DO NOT EXPOSE THE RECEIVER OR ITS ACCESSORIES:

- To direct sunlight or near any other equipment that generates heat; to rain or intense moisture; to intense vibration and to any shock which may cause permanent damage to your receiver or to any magnetic objects, such as loudspeakers, transformers, etc
- Do not use a damaged power cord. It may cause a fire or an electrical shock. Do not touch a power cord with wet hands. It may cause an electric shock
- Never open the cover. It is dangerous to touch the inside of the receiver due to high voltage currents and possible electrical hazards. Your warranty will be void if the receiver has been opened
- When the receiver is not used for a long period of time, you should unplug the power cord from the wall socket
- Do not use alcohol or ammonia based liquids to clean the receiver. If you wish, you may clean your receiver with a soft lint-free cloth slightly made damp with a mild soap solution, only after disconnecting from the mains voltage supply. Make sure no foreign objects fall through the ventilation slots because this could cause fire or an electric shock
- Do not place any objects on top of the receiver because this might prevent proper cooling of the components inside
- Before connecting the cables, be sure that the receiver is disconnected from the main power supply

Make sure you read this user manual before installing your receiver

It is highly recommended that you read this manual carefully to safely install your receiver and to achieve its optimum performance.



Note: The batteries should not be recharged, disassembled, electrically short circuited, mixed or used with other types of batteries.

Safety Precautions

- Do not open the receiver cover, as you will be exposed to a shock hazard. It will also void your warranty. Refer all maintenance or servicing to suitably qualified personnel
- When you are connecting the cables, be sure that the receiver is disconnected from the mains supply voltage. Wait a few seconds after switching off the receiver before you move the receiver or disconnect any equipment
- It is a necessity that you only use an approved extension and compatible wiring that is suitable for the electrical power consumption of the installed equipment. Please ensure that the electrical power supply corresponds with the voltage on the electrical identification plate at the back of the receiver

If the receiver does not operate normally even after strictly following of the instructions in this user manual, it is recommended to consult your dealer.

1.2 Storage

Your receiver and its accessories are stored and delivered in a packaging designed to protect against electric shocks and moisture. When unpacking it, make sure that all the parts are included and keep the packaging away from children. When transporting the receiver from one place to another or if you are returning it under warranty make sure to repack the receiver in its original packaging with its accessories. Failing to comply with such packaging procedures could void your warranty.

1.3 Equipment Set-up

We recommend you consult a professional installer to set up your equipment. Otherwise, please follow the instructions below:

- Refer to the user manual of your TV and your antenna.
- Make sure that the SCART cable and outdoor components are in a good condition and the SCART connections are well shielded

This manual provides complete instructions for installing and using this receiver. The following symbols will serve as follow.



Warning: Indicates warning information.



Note: Indicates any other additional important or helpful information.
MENU Represents a button on the remote control or the receiver (Bold Character)
Move to Represents a menu item within a window. (Italic Character)

1.4 Introduction

Thank you for choosing the SRT 6300 Wireless Home Media Network.

The SRT 6300 W System is a Wireless Home Media Network that is capable of delivering multiple video and audio streams through out a consumer's household.

The SRT 6300 W System contains of a Master and Slave unit. The Slave(s) get the signal from the Master through a wireless network connection. The SRT 6300 W system is fully compliant with the DVB-S standard is designed to be capable of upgrading its software from a USB device.

It is highly recommended that you read this manual carefully to safely install your receiver and to achieve its optimum performance.

1.5 Features & Accessories

SRT 6300 Wireless Digital Satellite Receiver with Digital Recorder

- MPEG-2 Digital and fully DVB compliant
- One Master box + two Slave boxes or one Master box + one Slave box
- For all Free To Air digital TV and Radio programmes
- 2 Common Interfaces compatible to all major Conditional Access Modules (Cryptoworks, Viaccess, Conax, etc.)
- 5 000 channels (TV and Radio) programmable
- Channel list edit, delete, sort
- Four Favourite lists, for both TV and Radio programmes
- Favorite channel list edit, delete, sort
- Three Recording and Playback Simultaneously. (1 x on Master, 2 x on each Slave)
- Recording capacity: 88 hours for 4 Mbps stream with 160 GB HDD
- Powerful trick mode supported, include Time-loop, Fast Forwards and Back, Slow
- Forwards and Back, Pause/Resume, and Time Shift
- USB 2.0 support. USB mass storage devices using FAT file system
- MP3 (MPEG-1 Layer 3) player: browse and play MP3s stored in a storage device (USB and internal HDD)
- JPEG Viewer: browse, edit, zoom in/out and do a slide show of JPEGs in storage devices (USB and internal HDD)
- File manager: manages copying and deleting of files / directories in storage devices (USB and internal HDD)
- Distribution of smooth digital TV streams to up to 3 TVs in a household through cutting edge Wireless MIMO technology
- Highly efficient, self-dominated Intellectual Property Right Network protocol: RapidMedia Protocol
- Electronic Programme Guide provides you detailed programme information
- DVB Subtitle supported and selectable audio tracks
- Teletext via OSD
- Dual Decoding (PIP, only Master)
- S/PDIF for digital audio
- Parental Lock protects access to menu and/or programmes
- DiSEqC 1.0, 1.1, 1.2 and USALS (DiSEqC 1.3)
- Timer function can automatically record programmes daily or weekly
- Easy recorder programming by EPG, up to 7 days in advance
- User friendly menu, available in various languages; English, German and Dutch
- Automatic channel search system with selectable options
- VFD display in front panel showing programme number, time or play function
- Supports software downloading via USB stick
- 2 SCART connectors (TV, VCR)
- 3 RCA connectors (Video- and Audio out)
- S-Video output
- RF modulator (PAL I/B/G/D/K NTSC M)

Accessories

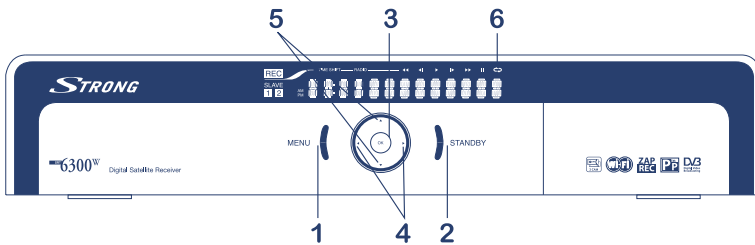
- User Manual
- Remote control units
- Batteries (AAA type)
- Warranty Card



Note: The batteries should not be recharged, disassembled, electrically short-circuited or be mixed or used with other types of batteries.

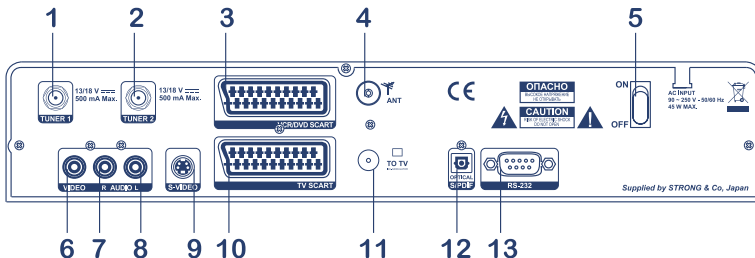
2.0 YOUR RECEIVER

2.1 Master SRT 6300 W Front Panel



- | | |
|---|---|
| <ol style="list-style-type: none"> 1. MENU 2. STANDBY 3. OK 4. VOLUME 5. CHANNEL 6. VFD DISPLAY | <p>Display the menu on screen.</p> <p>The power button of the Master (ON / STANDBY or SERVER mode).</p> <p>Display channel list on screen.</p> <p>Select an item in the menu.</p> <p>Change audio level.</p> <p>Change the channels</p> <p>During the STANDBY mode, the current time is displayed. When the power is on, the current status is displayed.</p> |
|---|---|

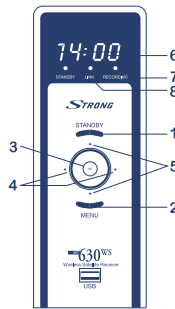
2.2 Master SRT 6300 W Rear Panel



- | | |
|--|---|
| <ol style="list-style-type: none"> 1. TUNER 1 2. TUNER 2 | <p>Connect to the satellite coax cable coming from the dish</p> <p>Connect to the satellite coax cable coming from the dish</p> |
|--|---|

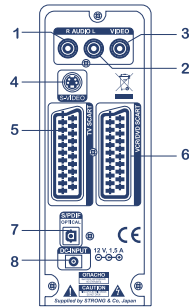
- | | |
|-----------------------|---|
| 3. VCR/DVD SCART | Connect the VCR SCART to VCR / DVD recorder |
| 4. ANT IN | Connect the TV antenna |
| 5. SWITCH | Main power switch. |
| 6. VIDEO OUTPUT | Video output (yellow) |
| 7. AUDIO-RIGHT OUTPUT | Audio output (Red) |
| 8. AUDIO-LEFT OUTPUT | Audio output (White) |
| 9. S-VIDEO OUTPUT | Connect the S-Video input of your TV |
| 10. TV SCART | Connect the TV SCART to TV SCART input |
| 11. TO TV | Connect the TV RF IN (for TV without scart) |
| 12. S/PDIF | Optical output for Digital Audio |
| 13. SERIAL PORT | RS-232 Port |

2.3 Slave SRT 630 WS Front Panel





- | | |
|---------------------|---|
| 1. STANDBY | The power button of the Master (ON / STANDBY). |
| 2. MENU | Display the menu on screen. |
| 3. OK | Display channel list on screen.
Select an item in the menu. |
| 4. VOLUME | Change audio level. |
| 5. CHANNEL | Change the channels |
| 6. LED | Display the current time or current status. |
| 7. LINK | If Slave has been connected Master, the LED (Green) will be on. |
| 8. RECORDING | If Slave is recording a programme, the LED (Blue) will be on. |

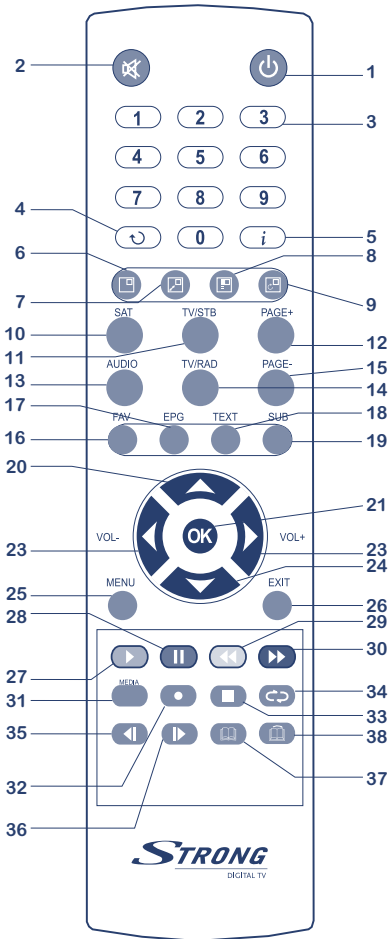
2.4 Slave SRT 630 WS Rear Panel



- | | |
|------------------------------|---|
| 1. AUDIO-RIGHT OUTPUT | Audio output (Red) |
| 2. AUDIO-LEFT OUTPUT | Audio output (White) |
| 3. VIDEO OUTPUT | Video output (Yellow) |
| 4. S-VIDEO OUTPUT | Connect the S-Video input of your TV |
| 5. TV SCART | Connect the TV SCART to TV SCART input |
| 6. VCR/DVD SCART | Connect the VCR SCART to VCR / DVD recorder |
| 7. S/PDIF | Optical output for Digital Audio |
| 8. DC INPUT | DC power input |

2.5 Remote Control

- Power Button** []
Switch the box between Operation, Standby or Server Mode.
- MUTE Button** []
Enable / Disable the audio output of the receiver.
- Numerical Buttons** [0 ~ 9]
Select the TV or Radio channels and menu operations
- RECALL Button** [ROTATE]
Select the previously viewed channel.
- INFO Button** [i]
Display the programme information box on the screen and remove it and show extended EPG information
- PIP Button** [PIP]
Enable, Resize and Disable sub-picture.
- PIP Swap Button** [PIP2]
Exchange the main picture and Sub-picture at the PIP.
- PIP List Button** [PIP3]
Display the channel list of the sub-picture
- PIP Move Button** [PIP4]
Move the position of sub-picture by clockwise.



- 10. SAT Button [SAT]**
Display the satellite list.
- 11. TV / STB Button [TV]**
Change the terrestrial TV and STB mode.
- 12. PAGE+ Button [PAGE+]**
Move the selection bar in menu
- 13. Audio Button [AUDIO]**
Select Sound Track and LEFT / RIGHT / MONO / STEREO sound.
- 14. TV / RAD Button [TV/RAD]**
Select the TV / Radio mode
- 15. PAGE- Button [PAGE-]**
Move the selection bar in menu
- 16. FAV Button [FAV]**
Display the favourite channel list.
- 17. EPG Button [EPG]**
Display the EPG on screen when available.
Remove EPG when EPG is displayed.
- 18. Teletext Button [TEXT]**
Enable the Teletext
- 19. Subtitle Button [SUB]**
Activate the subtitle selection window.
Select the subtitle language in the list.
In the Media Base menu, go to Media Base Management menu.
In the Media Base Management menu, go to Media Base menu.
- 20. CH+ Button [CH+]**
Service up and move cursor up.
- 21. OK Button [OK]**
Display Channel List on screen.
Select an item in the menu.
- 22. Volume- Button [VOL-]**
Decrease the volume
Move cursor to left.

23. Volume+ Button [VOL+]

Increase the volume.
Move the cursor to right.

24. CH- Button [CH-]

Service down and move cursor down.

25. MENU Button [MENU]

Display the Menu on screen or return to previous menu from submenu.

26. **EXIT Button [EXIT]**
Return to the screen.
27. **Play Button [RED]**
Start playback with normal speed.
Return to normal speed of forward playback.
28. **Pause Button [GREEN]**
Pause the playback.
Start the Time Shifting.
29. **Fast Rewind Button [YELLOW]**
Fast rewind.
Start reverse playback.
Change the speed of reverse playback.
30. **Fast Forward Button [BLUE]**
Start fast forward or fast motion playback.
Change the speed of forward playback.
31. **Media Button [MEDIA]**
Go to the Media Base menu.
32. **Record Button [●]**
Start recording
33. **STOP Button [STOP]**
Stop time shifting, playback or recording
34. **Continue Button [AROUND]**
Continue playing a file.
35. **Slow Rewind Button [◀]**
Start reverse slow motion playback
Change the speed of slow motion playback
36. **Slow Forward Button [▶]**
Start forward slow motion playback
Change the speed of slow motion playback
37. **Set Bookmark Button [BOOK]**
Make a bookmark while playback.
38. **Go to Bookmark Button [BOOK2]**
Go to the bookmarked position.

3.0 INSTALLATION

First, connect the satellite antenna cable and TV to the Master unit.

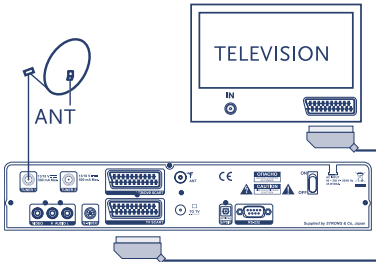
- There are some of the most common ways to connect the equipment in this manual
- There are several ways of connecting the receivers to the existing Audio/TV system. We recommend to choose one of the following setups
- If you have problems with your connections and need help, contact your STRONG dealer

3.1 Master SRT 6300 W

3.1.1 Connection to TV, VCR and Hi-Fi

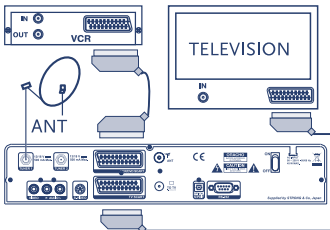
1. Connection to the TV with the SCART Cable

Connect one end of the SCART cable to the TV SCART socket on the Master and the other end to a SCART socket on the TV.



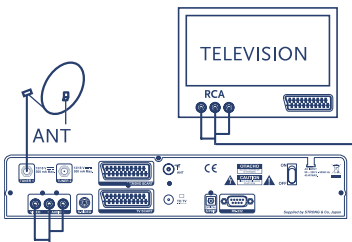
2. Connection to the DVD or Video Recorder with a SCART Cable

Connect one end of the SCART cable to the VCR SCART socket on the Master and the other end to a SCART socket on the DVD or Video Recorder.



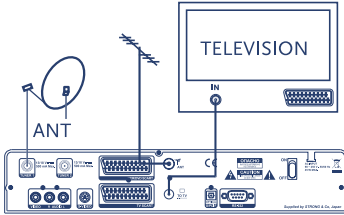
3. Connection to the TV with the CINCH Cable

Connect one end (3 connectors) of the CINCH cable to the AUDIO-RIGHT (red), AUDIO-LEFT (white) and the VIDEO output (yellow) sockets on the Master. Connect the other end (3 connectors) to the AUDIO-RIGHT (red),AUDIO-LEFT (white) and the VIDEO input (yellow) sockets on the TV or Hi-Fi.



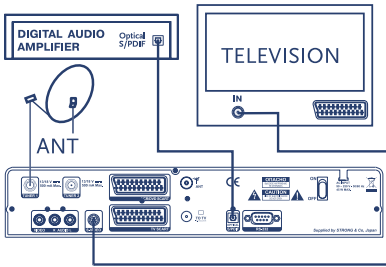
4. Connection to the TV using the RF Cable

Connect a terrestrial antenna to RF IN socket on the Master. Connect one end of the RF cable to the RF OUT socket of the Master. Connect the other end to the ANT IN socket on the TV.



5. Connection to the TV using the S-VIDEO

Connect one end of the S-VIDEO cable to the S-VIDEO socket on Master and the other end to a S-VIDEO socket on the TV and connect the S/PDIF output to your Digital Audio Amplifier..

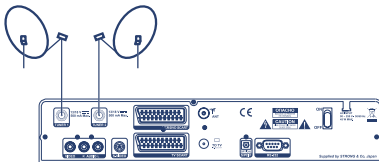


3.1.2 Connection to the Satellite Dish

It is important to decide which type of connection between receiver and LNB will be used. The simplest connection type and the one we recommend to use is Twin LNB. It will require the installation of a TWIN LNB and two cables between LNB and receiver. The connection type SEPARATED can be used if you have installed antennas for more than one satellite. With this connection type you can use different antenna connections: for example, you have a fixed dish with single LNB connected to SAT IN of TUNER 1 and a motorised dish with single LNB connected to SAT IN of TUNER 2.

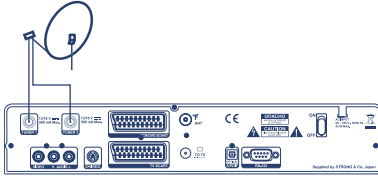
1. Installing Master with two separate Satellite Dishes

The Connection Type in *LNB Setup* menu should be set to *Separated*.



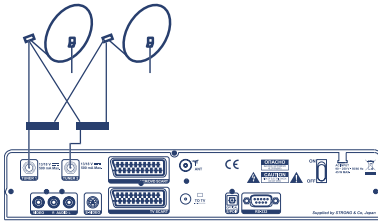
2. Installing Master with Twin LNB in Satellite Dish

The Connection Type in *LNB Setup* menu should be set to *Twin LNB*.



3. Installing Master with two separated Twin LNB Satellite Dishes, and DiSEqC switches

The Connection Type in *LNB Setup* menu should be set to *Separated*.

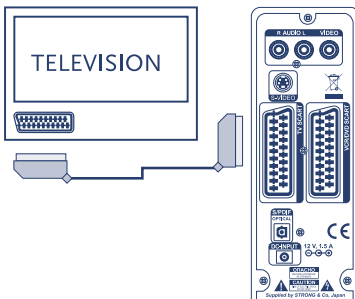


3.2 Slave

3.2.1 Connection to TV, VCR and HiFi

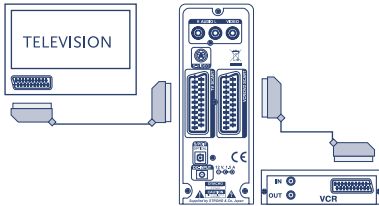
1. Connection to the TV with the SCART Cable

Connect one end of the SCART cable to the TV SCART socket on the Slave and the other end to a SCART socket on the TV.



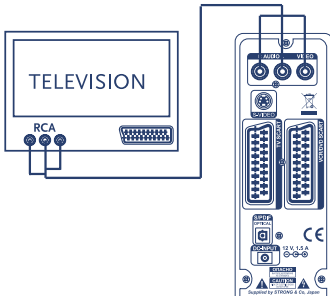
2. Connection to the VCR with the SCART Cable

Connect one end of the SCART cable to the VCR SCART socket on the Slave and the other end to a SCART socket on the VCR.



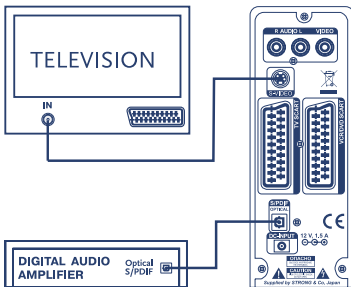
3. Connection to the TV with the CINCH Cable

Connect one end (3 connectors) of the CINCH cable to the AUDIO-RIGHT (red), AUDIO-LEFT (white) and the VIDEO output (yellow) sockets on the Slave. Connect the other end (3 connectors) to the AUDIO-RIGHT (red),AUDIO-LEFT (white) and the VIDEO input (yellow) sockets on the TV or Hi-Fi.



4. Connection to the TV using the S-VIDEO

Connect one end of the S-VIDEO cable to the S-VIDEO socket on the Slave and the other end to the S-VIDEO socket on the TV and connect the S/PDIF output to your Digital Audio Amplifier.



3.3 Wireless Network Configuration



Note: If you start using Slave(s), please do the following steps to set-up wireless connection. Otherwise you can skip the following steps.

1. First turn on the Master. If the Master is in standby mode, press the **[Standby]** key to switch ON the Master.
2. During system is booting, press **[OK]** key to open “Wireless Network Configuration” menu in Master.
3. If the Master is not registered with the Slaves, Master will go to search for the Slave automatically.
4. Turn on a Slave and the TV set. The *Language Selection* menu will be seen next on the screen. Choose the language and confirm with OK. If the Slave is not registered to any Master, the Slave will reboot and enter the wireless Network Configuration automatically. (In case it does not start automatically, you can access directly after booting by pressing OK)
5. The Slave will connect and register to the Master automatically. At the same time, the Slave will get the Master’s ID and the Master will get the Slave’s ID automatically.
6. On Slave side, the message “Registered to Master successfully!” will be shown on the TV screen.
7. On Master side, the message “Do you want to register another one?” will be shown, if you want to register another Slave. Select YES and repeat steps 4-6 in order to register another Slave. Select NO to go back to *Wireless Network Configuration*.
8. After having registered one or two Slave(s) with the Master, press *Exit* **[GREEN]** button on the Master’s remote control. After the Master has restarted, confirm the registration also on the Slave(s) with OK. The Slave(s) will restart and connect to the Master.
9. You can see wireless network configuration information by pressing **[OK]** button when system is booting.



Note: Please make sure the Channel, Network Name, Network Density settings are the same for Master and Slave(s). Otherwise the Slave(s) can not connect to the Master.

Save

To save your configuration after changing the information, press the *Save* **[RED]** button.

Exit

Exit the Wireless Network configuration by pressing the *Exit* **[GREEN]** button.

Default

By pressing the *Default* **[YELLOW]** button, you will set all settings to factory default.



Note: if you set the Master to factory default, all registered Slaves will get unregistered and you need to register them again.

Unregister (Master only)

Move the cursor down to the Slave you want to unregister. Press the *Unregister* [BLUE] button to unregister it.

If you want to change wireless configuration, press the [OK] button to enter Wireless Network Configuration menu when the system is booting. In the Wireless Network Configuration menu, you can change *Channel Number*, *Network Name*, *Network Density* in order to get the best quality.

- **Channel Number**

Auto and channels 1-11 can be chosen.

Setting this channel number appropriately provides one way to avoid sources of wireless interference.

- **Network Name**

You can change the network name on Master and both Slaves by locating the cursor on Network Name, then press [OK] button to display the keyboard. The network name is limited to 32 characters.



Note: Network name can only be English letters and numbers.

- **Network Density**

Use low network density for maximum range. Use high network density for maximum robustness of interface protection.



Note: If you want to change *Slave's Wireless Configuration*, the Master should be in the *Wireless Network Configuration Menu* as well. On Master and Slaves all parameters should be set the same. If a Slave has been registered with another Master (you will see a Master ID, but the circle is red), the Slave should be set to default first.

4.0 QUICK START

Press the **[POWER]** button to turn on the Master. Now, the Info Box will appear on the bottom of the screen for a certain time and then disappear. By pressing **[I]** button, the Info Box will remain on the screen. The display time of the Info Box can be adjusted in the Installation menu of the Menu Setting.



IMPORTANT: Before using your new receiver, some important technical settings are essential.

1. First, press the **[MENU]** button on the remote control, the *Main Menu* will appear.
2. Go to the “*LNB Setup menu*” in the “*Installation menu*” and press **[OK]** button.
3. Choose the right parameters for *Satellite, Tuner, LNB, Type, LNB Power, LNB Frequency, DiSEqC Switch, DiSEqC Input, DiSEqC Repeat, Switch 22kHz* and *Channels Setup*.
4. Set the *Motorized DiSEqC 1.2* and the *USALS* items according to your antenna, LNB and satellite settings. If the right *Satellite Name* and *LNB Frequency* were not found in the list, call the dealer for satellite information.
5. Then, press **[OK]** button at “*Channel Setup*” item and go to the *Channel Setup* menu.
6. Set the “*Search Mode*” to “*Auto*”. (Transponder or Network)
7. Move to “*Start Search*” item and press **[OK]** button.
8. The search procedure will take a while.
9. After searching has finished, press **[OK]** button and it will switch to LIVE programme.
10. Turn on the Slave(s)

5.0 MENU OPERATION

Now this chapter assumes that the system has been installed correctly, meaning:

The satellite antenna dish for the Master has been installed and connected to the Master and the Master and Slave are connected to TVs. The remote control has batteries and is ready to control Master and Slaves.

If the system has not been installed or connected properly, please refer to the INSTALLATION menu on this manual.

5.1 Main Menu

Many functions of the systems are available from the Main Menu. Press **[MENU]** button to open the Main Menu.



Note: Some functions and menus are only own by Master.

5.2 Channel Organizer

5.2.1 Channel Organizer (Master)

This menu can be used to sort, edit and delete TV and Radio Services.



Note: The default menu is under TV menu, press **[TV/RAD]** to switch to Radio menu or switch back to TV menu.

MENU OPERATION

Sort

Press **Sort [RED]** button. Then you can choose *Name* (by alphabet), *Type* (*Free* or *Scrambled*), *TP* (Transpond), or *Manual* to sort and rearrange the channel list (by pressing different colour buttons).

Fav

You can add services to different favourite groups. Locate the cursor to desired service and press **Fav [GREEN]** button. Then choose a favourite group (by pressing different colour buttons).

Edit

You can change a channel name, skip and hide a channel.

In order to change a channel name, locate the cursor to the desired channel and press **Edit [YELLOW]** button. Then press **[OK]** button and type a name you want. After you have finished, press **[OK]** button.

In order to lock a channel, select the channel you want to lock, press **[YELLOW]** button and move the cursor down to *Lock*. Then press **[OK]** button to prevent children from watching it. You can unlock the channel by the same way. If a channel has been locked, you should enter the PIN code in order to enjoy it.

In order to skip a channel, mark the desired channel, press **Edit [YELLOW]** button. Then press **[OK]** button on the skip option. The skipped channels will not be visible on the channel list.

Delete

Press **Delete [BLUE]** button, then there will be three buttons you can choose from:

1. Press **One [RED]** button to delete a channel.
2. Press **All [GREEN]** button to delete all the channels.
3. Press **Return [BLUE]** button to go back to the *Channel Organizer* menu



Note: Deleted channels are permanently deleted. The only way to recover them is to perform a new channel search.

5.2.2 Channel Organizer (Slave)

You can add services to different favourite groups. Locate the cursor to the desired service and choose a favourite group by pressing different colour buttons.

5.3 Favourite Organizer

This mode is helpful in organizing your favourite channels. There are four buttons you can use: sort, next, edit and delete.



Note: The default menu is under TV favourite channel menu, you can press **[TV/RAD]** to switch to Radio favourite channel menu or switch back to TV menu.

Sort

Press **[RED]** button. Here you can sort and rearrange the favourite channel list by *Name, Type, TP* or *Manual* (by pressing different colour buttons)

Next

There are four groups: *Digital, News, Sport* and *Music* for TV and four groups for Radio, *Digital, News, POP* and *Jazz*. The default group list is *Digital*. Press **[GREEN]** button to switch between the group list.

Edit

Press **[YELLOW]** button, the keyboard will appear. Type the name you want, then press **[OK]** button.

Delete

Locate the cursor on the desired channel. Then press **[BLUE]** button to delete the channel.



Note: Deleted channels are just deleted from the Favourite group. You can still find them in the channel list.

5.4 Timer Setup

Timer information can be found in menu *Timer Setup*.

To insert a new Timer entry, press **[RED]** button. Press *Modify* **[GREEN]** button to edit the entry. By pressing *Delete* **[YELLOW]** button you delete the selected entry.

OT = One Time

D = Daily

W = Weekly

R = Record

TI = Time Interval

S = Success

F = Failed

I = Initiation

Action

Press **[VOL-]** **[VOL+]** buttons to choose *Record* or *Start Time* (TI) on *Action*.

Begin Date

Enter the date (mm/dd/yyyy) directly by pressing numerical buttons.

Begin Time

Select the recording duration by pressing **[VOL-]** **[VOL+]** buttons then pressing numerical buttons are available.

Duration

Select the recording duration by pressing **[VOL-]** **[VOL+]** buttons or use the numerical buttons to enter a value directly.

Mode

By Using **[VOL-]** **[VOL+]** buttons, select *One-Time*, *Daily* and *Weekly*

Satellite: Press **[OK]** button to display the satellite list. Select a satellite that includes the channel to be recorded.

Prog Type: Choose *TV* or *Radio* by using **[VOL-]** **[VOL+]** buttons.

Prog Name: Press **[OK]** button, the channel list will appear and then choose the one you want to record and press **[OK]** again.

Save To: Press **[OK]** button, the folder will appear. Then choose a folder you want and press **[OK]** button

5.5 Installation

5.5.1 System Setup

5.5.2.1 Language

There are different languages available for the menu languages

Menu Language

It is a selection for changing the language of the main menu. Select the language then the menu will be showing.



Note: The supported languages can be changed without any notice.

Audio Language 1

It is a selection for changing the language of the Audio. If more than one audio language is transmitted, you may select any one of them



Note: The supported languages can be changed without any notice.

Audio Language 2

It is a selection for changing the language of the Audio, too. It only works when the broadcaster doesn't support Audio Language 1. If more than one audio language is transmitted, you may select any one of them.



Note: The supported languages can be changed without any notice.

5.5.2.2 Connection

The STB has many connections. You have to control this screen button properly according to external components connected to the STB. Configurations concerning audio and video can be made here.

TV Mode

Select your TV standard. For automatic PAL/NTSC selection, set it to "Multi".

Video Output

Select the mode of Video output between CVBS and RGB.

TV Format

Select your TV screen format, 4:3, 16:9 or Auto mode.

Audio Output

It allows you configure the sound mode. Select the *Stereo*, *Left* or *Right* audio mode.

Aspect Ratio Mode

You can select the display format. Select the *Normal*, *Letter Box*, *Pan and Scan* or *Combined* mode.

SPDIF Output

You can enable or disable the S/PDIF digital output in this menu.

VCR Output

Select a VCR output *Terminal* or *Automatic*.

RF Modulator (Master Only)

When the Master is connected to the TV set with a RF cable, you may need to select the correct TV standard. Select the *PAL B/G*, *PAL I*, *PAL D/K* mode by using **[UP/DOWN]** buttons. The default RF modulator is *PAL B/G*.

RF Channel (Master Only)

Select a RF channel by using **[UP/DOWN]** buttons. The default channel here is *38*. When you change the RF channel number, you must also change the same value on the TV. If you do not, there will be no picture and sound.

5.5.2.3 Menu Setting

Transparency

Adjust the OSD transparency of all menus. The available levels are from *0* to *4*.

Brightness

Adjust the OSD brightness of all menus. The available levels are from *0* to *2*.

Duration

Adjust the time-out of the Info Box. Set the duration time that the Info Box is displayed on screen. The adjustable time is from *1 Sec*, *6 Sec*, *10 Sec*, *20 Sec* and *30 Sec*.

5.5.2.4 Time Setting

The exact local time can be adjusted by using the *GMT usage*, *Time zone*, *Adjust time*, and *Date* sub menus.

GMT Usage

GMT is referred to the standard time of Greenwich. It can not be changed.

Time Zone

Here you can choose your time zone.

Adjust Time

You can adjust time only when GMT usage is OFF. Enter the current time by using the numeric buttons.

Date

You can type the date (mm/dd/yyyy) by using the numeric buttons, but the GMT Usage must be OFF.



Note: We recommend to setup the same time for Master and Slaves(s).

5.5.2.5 System Info

You can check the *System Model, Software Version, Hardware Version, Loader Version, Manufacturer, Website and Serial Number information.*

5.5.2.6 Factory Reset

All settings will be reset to factory default values.

5.5.3 LNB Setup (Master Only)

The Low Noise Block down Converter (LNB) amplifies the signal received by the satellite dish and lowers the frequency of the signal. The signal is then fed from the LNB at the dish via cable to the Master

For the LNB setting, move the cursor to installation and press **[OK]** button. Then move the cursor to LNB setting and press **[OK]** button.

Satellite

Press **[OK]** button to display the Satellite List. Select one of the pre-programmed satellites that correspond to the direction of the antenna. If the desired satellite name is not on the list, select “*Other*”.

Connection Type

The default value is Twin LNB, you can change it to *Separated*



Note: If you change the Connection Type all channels will be deleted.

Tuner

Select a tuner for channel searching from the selected satellite.

LNB Frequency

Select the L.O. Frequency of the used LNB. The LNB Frequency: *5150, 11300, 11450, 9750/10600, 9750/10650, 9750/10700, 9750/10750* can be selected with **[VOL-/VOL+]** buttons. You can enter LNB frequency also by using Numeric keys on the remote control The most used setting are the universal LNB settings *9750/10600*.

LNB Power

Select LNB power *ON* to output the LNB voltage.

Switch 22 kHz

If you are using a 22 kHz tone to select different satellite dishes or bandwidth to Master, make the 22 kHz tone switch enable or disable to select dish or LNB.



Note: If the LNB Frequency is set to *Universal LNB (9750/10600 or 9750/ 10650, 9750/10700, 9750/10750)*, it is impossible to set 22 kHz because it is a default setting in this application.

DiSEqC Version

You can choose *Tone Burst*, *DiSEqC 1.0*, *DiSEqC 1.1* or *Disable*.

Tone Burst allows two satellite dishes to be connected to the Master at the same time. DiSEqC 1.0 and 1.1 allow multiple antennas to be connected to the Master at the same time. If you are using five or more fixed antennas or LNBs, then it is recommended using a DiSEqC 1.1 switch.

DiSEqC Port

Choose to which DiSEqC Input your selected dish is connected to. *Tone Burst* has two options: *Tone A* for port 1 and *Tone B* for port 2.

DiSEqC 1.0 has four ports.

DiSEqC 1.1 has sixteen ports.

Transponder

To test your settings you can choose a transponder with a strong signal. If your settings are correct then the level and quality banners should show a signal.

Dish Type

Choose the Dish Type you use *Fixed*, *DiSEqC 1.2*, *USALS*. The default value is *Fixed*.

If you choose *DiSEqC 1.2*, then press the **[OK]** button to enter DiSEqC 1.2 Setup menu.

If you choose *USALS*, then press the **[OK]** button to enter USALS Setup menu.

Channel Setup

To go to Channel setup menu directly from LNB setting menu press the **[OK]** button.

5.5.4 Channel Setup (Master Only)

Satellite

Press **[OK]** button to display the *Satellite List*. Select one of the pre-programmed satellites that correspond to the satellite dish. If the desired satellite name is not in the list, select "*Other*".

Tuner

Select a tuner for channel searching.

Search Mode

There are 3 search modes. *Auto*, *Transponder* and *Network*. The Auto mode enables you to search using the information the Master has. On the other hand, you may need to know in advance the frequencies and the symbol rates when you use transponder mode. When you use the Network mode, the NIT (Network Information Table) is available, the Transponder's information can be found.

Frequency

Select or enter the Transponder's Frequency by using the numeric buttons on your remote control.

Polarization

Choose the type of polarisation, either the *Horizontal* or the *Vertical*.

Symbol Rate

Enter the Transponder's Symbol Rate by using the numeric buttons on your remote control.

Scan Mode

You can select only searching free channels or all channels (included scrambling channels).

Start Search

To start the searching process, press **[OK]** button at "*Start Search*".

To stop the searching progress on the way, press either the **[MENU]** button or the **[EXIT]** button.

This menu will be shown as long the STB is searching for channels. All channels found will be listed in two columns on the screen with TV channels in one column and Radio channels in the other. Please note that the search process may take a few minutes.

When the search process is completed, the screen will show how many TV and Radio channels have been found. Press **[OK]** button to save the channels.



Note: When Master finishes searching, Slave(s) will get automatically an update of the Channel List.

LNB Setup

To go to the LNB Setup menu directly from Channel Setup menu, press the **[OK]** button.

5.5.6 DiSEqC Setup (Master Only)

Satellite

You can not change the satellite here. It is the same satellite as you choose at LNB Setup menu.

Tuner Select

You can not change the Tuner here. It is the same Tuner as you choose at LNB Setup menu.

Transponder

Select a transponder to catch a strong signal. Press **[OK]** to display the transponder list.

Command Mode

User mode: The movement is adjustable by single steps.

Installer mode: The movement is adjustable by East, West commands (continuous movement).

Movement

User mode: Select how many steps you want the dish to move.

Installer mode: Move the dish continuously.

Motor Control

- *Goto:* Move the motor to the stored position of the selected satellite.
- *Reset:* Reset all the stored positions of the motor relative to the "0" position.
- *Limit OFF:* Remove the limitation.
- *Limit W:* Set the limits of West position.
- *Limit E:* Set the limits of East position.
- *Goto Ref:* Go to reference.
- *Store:* Store the current position of the motor for the selected satellite.

Up One Level

Go back to the LNB setup by pressing the **[OK]** button.

5.5.7 USALS Setting (Master Only)

USALS is a very convenient motorized DiSEqC system that supports DiSEqC 1.3 commands and can also get the satellite position automatically if you know your geographical location. Basically, the listed satellites have its Longitude and therefore the angle of the satellite can be calculated without problems. If you have USALS motorized system, then you can use the USALS as followings,

Satellite

You can not change the satellite here. It is the same satellite as you choose at LNB Setup menu.

Tuner

You can not change the Tuner here. It is the same Tuner as you choose at LNB Setup menu.

Transponder

Select a transponder to catch a strong signal. Press **[OK]** to display the transponder list.

Satellite Angle

This is the orbital position of the selected satellite. Normally this is set automatically but if you wish you can edit it manually with the numerical buttons on the remote control. East or West will be selected with **[VOL-/VOL+]** buttons.

My Longitude

It means the longitude of your location. You can select the angle, *East* and *West* with **[VOL-/VOL+]** buttons or numeric buttons.

My Latitude

It means the latitude of your location. You can select the angle, *South* or *North* with **[VOL-/VOL+]** buttons or numeric buttons.

Reference Position

Go to the Reference position.

Move

You can turn the antenna clockwise or counter clockwise to exact position with **[VOL-/VOL+]** buttons.

Goto the Position

After having set the Longitude, Latitude of your local position and the longitude of the selected satellite, this function is used when you want to move antenna to the desired direction (position) which you have saved before.

Up One Level

Go back to the LNB setup by pressing the **[OK]** button.

5.5.8 Parental Lock

You can lock or unlock the menu and change the PIN codes in this menu. The default PIN is **0000**.

5.5.9 HDD Function (Master Only)

Power Save

Set the time to make Hard Disk (HD) go to save mode by itself, when the HD does not work. The default value is *5min*, but you can set it to *1min*, *2min*, *5min*, *15min*, *30min* and *60min*.

Format

To format the Hard Disk Drive (HDD), select this option and press the **[OK]** button. Formatting the Hard Disk Drive will permanently delete all data and files stored on HDD. You can't use TimeShift, record files, listen to MP3s and watch pictures with an unformatted HDD.



Note: Only Master has HDD.

5.5.10 Software Update

In this menu you can update your system by using a USB stick. The Slave(s) must be in the same menu while updating the software.

5.6 Media Base

To enter this menu you can press **[MEDIA]** button or on the main menu move the cursor to this screen button, then press the **[OK]** button. In this menu, you can watch DVR on the HDD, listen to MP3 or watch pictures on HDD or USB storage.

You can press **[VOL-/VOL+]** buttons to switch between DVR/MP3/PIC tab.

DVR

Press **[RED]** button, you can sort files.

Press **[OK]** button on a file, you can start playing the file.



Note: USB storage won't be displayed in this TAB.

MP3

To enter this menu press **[VOL-/VOL+]** buttons. In this menu you can listen MP3 on HDD or USB storage. To sort the MP3 files press **[RED]** button. You can show the Playlist by pressing **[GREEN]** button, Press **[YELLOW]** button you can clear the playlist.

To add an MP3 to the playlist you can move the cursor to the file and press **[BLUE]** then a green small circle will appear. If you want to remove an MP3 from the playlist you can press **[BLUE]** button again and then the green small circle will disappear. Press **[OK]** button on a file, you can add it into the playlist and start playing the playlist.

PIC

To enter this menu press **[VOL-/VOL+]** buttons. In this menu you can watch the pictures on HDD or USB storage. Press **[RED]** button to sort the files.



Note: Only JPG file can be displayed.

5.7 Media Base Management

Enter *Media Base Management* by pressing **[SUB]** button in *Media Base* menu.

You can also press **[SUB]** button to go back to Media base under “Media Base Management”

Press **[VOL-/VOL+]** buttons to switch between DVR/MP3/PIC tab.



Note: USB storage device won't be displayed in this menu.

In this menu you can delete a file or folder by pressing the **[RED]** button. If you want to delete a crypto folder, you must enter the right PIN code. All the files or folders will be permanently deleted.

Press **[GREEN]** button to create a folder. You can create either public or crypto folder by choosing the different types. If you choose to create a crypto you must enter the password.

Rename the file or folder by pressing **[YELLOW]** button. If you want to rename a crypto folder, you must enter the right PIN code.

You can also move a file by pressing **[BLUE]** button, then a directory list will display. If you want to move a file or a folder to a crypto folder, you must enter the right PIN code. You can't move a file or a folder to root directory.



Note: If you see a file name is yellow that means this file is recording now, and you can not delete, rename and move this file.

5.8 Media Base Transfer

The left column displays the files and folders on the HDD. The right column displays the files and folders on the USB storage device.

MP3 files will be shown in MP3 type, a JPG file will be shown in PIC type.

Press **[TV/RAD]** button to change types.

Also only MP3 files and JPG files will be shown on right column. If you have plugged in more than one USB storage device, you can press **[TV/RAD]** button to change different USB storage devices.

Copy a file or a folder

locate the cursor on the file or folder you want to copy, then press **[RED]** button. You can't copy a file or folder to root directory.

Delete a file or a folder

locate the cursor on the file or folder you want to delete, then press **[GREEN]** button. You can't delete a file or folder to root directory.

Stop USB Device

first move the cursor to the right column, then press [TV/RAD] button to choose the device you want to stop (if you have more than one device plugged in), then press [YELLOW] button to stop the device.



Note: If a USB storage is plugged into a Slave, you can not see the file list under the Master and the other Slave's Base Transfer menu. If there is an unknown device, please make sure the partition type isn't NTFS.

5.9 Common Interface (Master Only)

With inserted Conditional Access Module you will get information about your CAM, smart card subscription status, manage maturity rating and PIN codes of the smart card in this menu. If the module hasn't been installed, the phrase "Not installed" will display. Content of the menu depend on the module type. Please refer to the user manual of your module.



Note: To get maximum benefit and access to open the scrambled channels it is very important to choose the right CAM module(s) for your satellite receiver SRT 6300 W. Please ask your local dealer to find the right CAM module for the programmes you want to watch.

The most common modules are made to open only 1 scrambled channel. This will allow Master or Slave to open a scrambled channel.

Using 2 modules with 2 cards allows you to open 2 scrambled channels at the same time. This means one scrambled channel can be recorded and the other one watched on Master or Slave.

There are also CAM modules on the market which can open 2, 3 or more scrambled channels at the same time. These modules allow you to open more scrambled channels from the same transponder / frequency. This is a good choice to use such kinds of modules for the SRT 6300 W receiver.

Using these CAM modules it allows you to record a scrambled channel to HDD, watch another channel with the Master and watch a third one with the Slave or even open a scrambled channel on second Slave unit.

For maximum freedom in watching scrambled channels insert an extra CAM module with card. This allows you to watch scrambled channels from different transponders / frequencies.

In order to display the module(s) and messages on screen correct, select in menu "Common Interface" the correct capacity of the CAM module. Select between: *Single* / *Double* / *Triple* or *Multi*.



Note: To open scrambled channels faster, set the PMT function in menu Common Interface to OFF.

6.0 FUNCTION GUIDE

6.1 Channel List

Press [OK] button to see the Channel list, when watching the live programme.

The Channel List displays the following:

- Satellite name
- Free Channels or Scrambled Channels
- Transponder and Polarization information
- [RED] button (only in Master) forcing to switch the channel
- [GREEN] button you can sort the channel list by alphabets



Note: Only Master can switch the channels between different Transponders. Gray channels on the Slave's channel list mean these channels cannot be watched. If you choose Separated as Connection Type, you see T1 (Tuner 1) or T2 (Tuner 2) beside Channel Name.

6.2 Information Box

Press [i] button on the remote control to see the programme Information. The Information Box displays as follows:

- Channel Number
- Programme type *F* means Free, if the programme is scrambled, "\$" sign will be displayed
- If you see a "T", it means this channel provides Teletext
- If you see a "S", it means this channel provides Subtitle
- Signal Level
- Signal Quality
- EPG information
- Current Time
- Programme start time and end time

You can hide the Information Box by pressing [i] button.



Note: If you see AC3 in the info box means this channel provides AC3 sound. If you choose Separated as Connection Type, you will see T1 (Tuner 1) or T2 (Tuner 2) beside Current time.

6.3 EPG (Electronic Programme Guide)

To display the information of current and following TV programmes, press the **[EPG]** button on your remote control.

If EPG of programmes is broadcasted, you will see the detailed description of the programmes, start/end time and programme schedules etc.

[RED] : Display the current programme schedule and detailed description.

[GREEN] : Display the next programme schedule and detailed description.

[YELLOW] : Display the current channel weekly schedule.

[BLUE] : Display the reserved schedule.

[TV/RAD] : Change the contents of EPG between TV and Radio services.

[●] : To reserve a programme or channel a reserved programme.

6.4 Subtitle

To watch subtitles press **[SUB]** button for displaying the subtitle language list and choose the language you want. Then press the **[OK]** button.

If the broadcaster provides subtitles, you can see “S” symbol in the Information Box.

6.5 Teletext

If the broadcaster supports Teletext, you can see a “T” symbol in the Information Box.

Press the **[TEXT]** button to watch the Teletext. You can enter the page number by pressing the numerical buttons on the remote control.

Home: Go to the Home page.

Next: Go to the next page.

Prev: Go to the previous page.

Pause/Start: Pause or start the Teletext.

Exit: Exit the Teletext

Also you can press colour buttons for page selections.

6.6 Sound Track

You can choose a language of soundtracks by pressing **[AUDIO]** button when the broadcaster supports various languages of soundtracks. Also, you can choose a mode among *Stereo, Mono, Left* and *Right* using **[VOL- / VOL+]** buttons.

6.7 Time Shifting

1. To use Time Shifting function, press **[GREEN]** button to display Time Shifting progress bar and pause the current LIVE programme. Press **[RED]** button or **[GREEN]** button once more to continue the current LIVE programme.
2. To go to the desired playback position, press **[YELLOW]** or **[BLUE]** button. These functions are valid while the Time Shifting progress bar is displayed.
3. To stop Time Shifting function, press **[STOP]** button.
4. To start Instant Time Shifting, press **[AROUND]** button. The start position of the playback go 10 seconds back by pressing **[AROUND]** button.

6.8 Recording

There are three kinds of recording: Recording LIVE Programme, Timer recording, recording by EPG.

Recording LIVE Programme

Press **[●]** button to record the LIVE programme you are watching. To stop the recording, press **[STOP]** button. A list will be shown, then you can stop the recording.



Note: Master or Slave(s) only can stop their own recording.

Timer Recording

Go to “*Timer Setup*” menu, you can add a timer by pressing **[RED]** button. In order to start a Timer on the Slave, the Master shouldn't be powered off and should use the same Transponder as the Slave when sharing a tuner. You can check Timer status in “*Timer Setup*” menu.



Note: Only 8 Timers you can add.

Recording by EPG

Press **[EPG]** button in the LIVE mode to display EPG. Select a service you want to record, press **[●]** button and then choose Daily or Weekly record. Press **[●]** button once more to cancel a reservation.



Note: you can add only 8 Timers. During recording of a programme, you can not search channels and reorganize channels.

6.9 Play Files

DVR File

Playing a recorded file, the info box will be seen with the File name, Duration time and the buttons you can use. You can enter the time to jump to the exact time by pressing the numerical keys.



Note: Goto function only works when the info box is displayed and you can enter hour: minute: second.

MP3 File

To remove a song from the list, locate the cursor on that song, then press **[SUB]** button

PIC File

If you play a JPG file, you will see the info box as the above. Press **[EXIT]** to go back to Media Base.

6.10 Stop

- To stop playing a DVR video or playing MP3, press **[STOP]** button.
- You can stop recording and stop Time Shifting by pressing **[STOP]** button.
- In picture mode, press **[STOP]** button to show Display Mode list.

6.11 Pause

Pause from LIVE video

Enable Time Shifting, the LIVE picture will be changed to time-shifted playback. The video continues from the paused image when resumed from PAUSE.

Pause from Time Shifting

The video continues from the paused image when resumed from PAUSE

Pause from DVR video

The DVR video continues from the paused image when resumed from PAUSE

Pause from Pictures

The slide show continues from the paused image when resumed from PAUSE

6.12 Slow Motion Playback

1. To playback in slow forward motion (without sound), press the [▶] button.
2. The slow forward motion can be adjusted by pressing the [◀] button repeatedly.
3. To playback in slow rewind motion (without sound), press the [◀] button.
4. The slow rewind motion can be adjusted by pressing the [▶] button repeatedly.
5. There are two steps (0.25X, 0.5X) in slow motion playback.
6. Press [▶] button to resume playback with normal speed.
7. The slow motion is only available for the playback.



Note: Only on DVR and Time shifting you can use slow motion playback. Radio programmes support only slow forwarding (0.25X, 0.5X).

6.13 Fast Forwarding and Rewinding

1. To go to the desired playback position, press [◀] or [▶] button.
2. Press [◀] or [▶] button repeatedly to change the speed. There are six speeds (2X, 4X, 8X, 16X, 32X, 64X).
3. Press [▶] button to resume playback with normal speed.
4. When playing MP3, press [◀] button to play pervious file, and press [▶] button to play the next file.
5. When watching pictures, press [◀] button to go back to the pervious picture, and press [▶] button to the next picture.



Note: Only on DVR and Time-Shifting you can use fast forwarding an rewinding. Radio programmes only support Fast forwarding (2X).

6.14 Bookmark

You can jump to a position directly by bookmarking the function in playback. Use bookmarks for searching positions very quickly and easily.

Add a bookmark

To add bookmark, press [BOOK] button at the position you want to add it.

Go to a bookmark

Press [BOOK2] button to jump to the bookmark. Then, the DVR video starts from the bookmarked position.

Delete a bookmark

To remove a bookmark, you have to stop the DVR video first. Then press [BOOK] button.



Note: Only DVR play has bookmark function.

6.15 Repeat

In Time Shifting mode

Press **[AROUND]** to start Instant Time Shifting. The start position of the playback go 10 seconds back by pressing **[AROUND]** button.

In DVR play mode

Press **[AROUND]** button to repeat playing the current file. Press **[AROUND]** button once more to cancel the repeated playback.

In MP3 play mode

Press **[AROUND]** button to repeat playing the current file. Press **[AROUND]** button once more to cancel the repeated playback.

In PIC mode

Press **[AROUND]** button to rotate the picture.

6.16 Picture In Picture (PIP, Master Only)

1. In the LIVE mode, press **[PIP]** button to display PIP. Press **[PIP]** button repeatedly to change the size of sub-picture or to remove the sub-picture.
2. At PIP screen, press **[PIP2]** button to exchange main-picture with sub-picture.



Note: It is not possible to exchange main-picture with sub-picture during recording and Time Shift.

3. To display the service list of main-pictures, press **[OK]** button. Select a service in the service list. To display the sub-picture's service list, press **[PIP3]** button.
4. Press **[PIP4]** button to move the sub-picture's position.

6.17 Keyboard

The keyboard will be displayed when you change file name, folder name, channel name and favourite group name.

There are two keyboards you can use:

- Standard Keyboard



- Extended Keyboard



[RED]: Use the Standard keyboard.

[GREEN]: Use the Extend keyboard.

[YELLOW]: Save and exit the keyboard

[BLUE]: Delete the last entry.

7.0 TURN OFF SYSTEM

7.1 Master

Press the **[POWER]** button on Master. There are two options you can select next:

- Power Off

Turn off Master: Next time press **[POWER]** button to turn on Master.



Note: If Slaves are connected to Master (the small circle beside Slave 1 and Slave 2 is green, otherwise, they are red), turn off the Slaves first.

- Server Mode

The Master will be in server mode and provides all services to the Slaves. If you want to leave the server mode, press the **[POWER]** button, Master will work normally.

7.2 Slave

To turn off the Slave, just press **[POWER]**.

If the Slave lost connection, you will see “*Poor Wireless Signal Quality! Searching Master...*” on the Slave screen, after a few seconds, you will see the message “*Connection Lost*”

At this time, you can choose *Reboot* the or *Turn off* the Slave.

If the Master has been turned off, you will see Master is power off and you can reboot or power off the Slave.



Note: If Master has been rebooted, the Slaves should be rebooted as well.

8.0 SOFTWARE UPDATE

Although the SRT 6300 W System has stable and convenient software to use, a new system software may be released. To add or modify functions, the system software has to be updated. The latest software and manual will be found at STRONG’s website. www.strong.tv

With this menu (only Master), you can update your firmware via USB stick.

USB Update

1. Download the update software from the website and copy the file onto a USB stick.
2. Turn on all Slave(s). Select route on Slave(s) MENU\ Installation\Software Update page. Let them stay in this menu.
3. Plug the USB stick into the USB connector behind the flap on the front of the Master
4. Turn on the MASTER and go also to *Software Update* menu.
5. Press the **[OK]** button to enter USB and select the update file, then press *Update* **[RED]** button to start updating.
6. After the update has finished, the Master and Slave(s) will reboot automatically.

9.0 SPECIFICATIONS

9.1 Master

Double Tuners	DVB-S
Input / Loop through Connector	75 Ohm, IEC 169-24
Frequency Range	950 ~ 2150 MHz
Signal Level input	-10 ~ -80 dBm @ 27.5 MS/s
LNB Power & Polarization	Vertical: +13 V DC Horizontal: +18 V DC Current: Max 500 mA Overload protection
22 kHz Tone	22 kHz +/- 2 kHz, 0.6 Vpp +/- 0.2 V
DiSEqC	V1.0/1.1/1.2/1.3 (compatible)
Demodulation	QPSK
Input Symbol Rate	1 ~ 45 Mbps, SCPC/MCPC

MPEG Transport Stream, A/V Decoding

Transport Stream	MPEG-2 TS Specification (ISO/IEC 13818)
Profile Level	MPEG-2 MP@ML
Aspect Ratio	4:3 / 16:9
Video Resolution	720 x 576 (PAL), 720 x 480 (NTSC)
Audio Decoding	MPEG 1 Layer 1, 2, 3

Main System

Main Processor	ST I5100
Memory	Flash-ROM: 8 MBytes RAM: 64 MBytes EEPROM: 1 kbits
HDD	160 GB

Front Panel & RCU

7 KEYS	CH-/, VOL-/, MENU, OK, STANDBY
VFD	Time, Service name and other info
2 LEDs	STANDBY & POWER ON
RCU	47 keys

Conditional Access Interface

PCMCIA	2 slots DVB common interface Standard
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A/V & Data In/Out

TV-SCART	Video CVBS/RGB/Y/C Output Audio L/R Output
VCR-SCART	Video CVBS/RGB Output Audio L/R Output Video CVBS/RGB Input Bypass Audio L/R Input Bypass
S-Video	Video S-VIDEO Output
RCA A/V	Video CVBS Output Audio L/R Output
S/PDIF	Digital Audio or Dolby AC-3 bitstream Output
RS-232C	9 pin CD-SUB type Transfer rate 115.2 kbps
USB	USB 2.0 Device

RF-Modulator

RF-Connector	75 Ohm, IEC 169-2, Female / Male
Output Service	CH 21 ~ 69 (PAL/NTSC)
TV standard	PAL G/I/K, NTSC selected by Menu

Power Supply

Input Voltage	90 ~ 240 V
Type	AC
Power Consumption	30 W
Protection	AC Fuse

Physical Specification

Size (W X H X D)	340 x 265 x 60 mm
Weight (Net)	3.35 kg

9.2 Slave

MPEG Transport Stream, A/V Decoding

Profile Level	MPEG-2 MP@ML
Aspect Ratio	4:3 / 16:9
Video Resolution	720 x 576 (PAL), 720 x 480 (NTSC)
Audio Decoding	MPEG 1 Layer 1, 2, 3

Main System

Main Processor	ST I5100
Memory	Flash-ROM: 8 MBytes RAM: 32 MBytes EEPROM: 1 kbits

Front Panel & RCU

7 KEYS	CH-/+, VOL-/+, MENU, OK, STANDBY
4-digital 7-segment LEDs	Time, Service name and other info
3 LEDs	Link, Record, Power on/Standby
RCU	47 keys

A/V & Data In/Out

TV-SCART	Video CVBS/RGB/Y/C Output Audio L/R Output
VCR-SCART	Video CVBS/RGB Output Audio L/R Output Video CVBS/RGB Input Bypass Audio L/R Input Bypass
S-Video	Video S-VIDEO Output
RCA A/V	Video CVBS Output Audio L/R Output
S/PDIF	Digital Audio or Dolby AC-3 Bitstream Output
USB	USB 2.0 Device

Power Supply

Input Voltage	10.4 ~ 12.6 V
Type	DC
Power Consumption	11 W
Protection	DC Fuse

Physical Specification

ITEM	Specification
Size (W X H X D)	165 x 60 x 160 mm
Weight (Net)	1.06 kg



Note: Specification and functions may be changed for improvement without notice in advance.

10.0 TROUBLESHOOTING

Occasionally the receiver may hang-up. In that case it is recommended to reset the receiver by disconnecting it from the main power. Wait 30 seconds and connect to main power again, then see if the unit is working as expected. If the receiver does not work properly after checking the trouble shooting section, please contact your dealer. Do not open the receiver cover, it may cause an electric shock due to high voltage and the warranty of your receiver will be void.

Problem	Solution
No picture and sound	Check the coax cable. Replace the cable, or connect the cable tightly to the receiver. Set the values of tuner parameters correctly Check the signal strength, adjust your dish correctly
The display on front panel does not light up	Check if the power cord is connected to the wall outlets
The receiver displays the message "No Signal"	If it is winter, check if there is snow covering the dish Press the SAT button on the RCU and select the correct satellite Check the settings in LNB and Channel setup menu Ask your dealer to check the outdoor unit and antenna cable to LNB
The remote control does not work	Check if the batteries are inserted correctly in your remote control Check the batteries, and if exhausted, replace them
Slave can not connect to Master.	Check if Master is working Check if all the parameters are same in Wireless network configuration menu for both Master and Slave
Slave displays the message "Poor Signal"	Adjust the direction of the antenna on the Slave or Master Change the Network density in Wireless network configuration menu.

ENVIRONMENTAL ISSUES

STRONG is committed to reducing the impact of its products on the environment. To maximise the benefits of our design enhancements, your co-operation is required.

Electronic product recycling

Do not dispose of this product with your domestic rubbish.

At the end of its useful life, this product contains materials which when processed correctly can be recovered and recycled. By participating in the responsible recycling of this product you will be reducing the requirement for new raw materials and reducing the amount of material that would otherwise end up in landfill.

When you purchase a new, similar product your retailer may offer to take this old one off you. Alternatively, you can take it to your local recycling centre. Your retailer or local municipal authority will advise you of the collection facilities available for waste electronically products in your area. User of this service will be free to you.

Within the scope of the European legislation on Waste Electrical and Electronic Equipment (Directive 2002/96/EC valid as of August 2005) STRONG provides a recycling system free of charge for consumers to returning products after end of life. For more information about STRONG's environmental policy to you:

www.strong.tv - select "About us" and "Environmental Policy" from the submenu.



Packaging

When disposing of this product packaging, please ensure that it is recycled.

Packaging material is to be depolluted in waste separation.



Power Saving

To save power and money, please put the product into standby mode when not in use. We also recommend disconnection from mains supply when not in use for longer periods of time.



Batteries

Do not dispose of the batteries from your handset with your domestic waste.



Where they are available, participate in your local municipal or retailer collection schemes for spent batteries. Batteries discarded in landfill sites or incinerated increases the chances of pollutants being dispersed into the atmosphere.

Alternations reserved 09/2009

