SATFI RV
Digital Controller Receiver

OPERATING MANUAL

TABLE OF CONTENTS

DIGITAL SATELLITE RECEIVER

PRECAUTIONS

WARNING
NO USER SERVICABLE PART INSIDE
PLEASE DO NOT OPEN

- No user-serviceable parts inside.
- Never use any liquid for cleaning the unit.
- Do not remove the cover, refer to qualified service.
- Your receiver is designed to use in bus, motorhome, caravan or similar vehicles.
- Do not connect any equipment not recommended to prevent your unit against a permanent damage or danger.
- Remove the batteries from the remote control handset if it is not to be used for a long time. Otherwise it can be damaged due to any leakage of battery.
- Dispose of the used batteries properly in order to protect the environment.
- This receiver is not a standard satellite receiver. It can be used only with SatFi RV antenna. If you connect an LNB to the output of this unit, it may cause damage of LNB or receiver.

FRONT VIEW
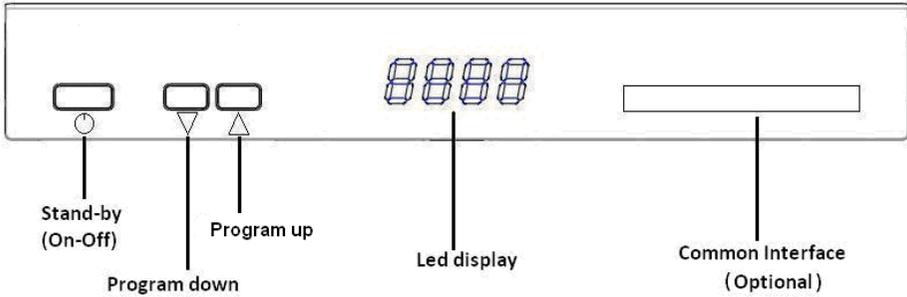
REAR VIEW
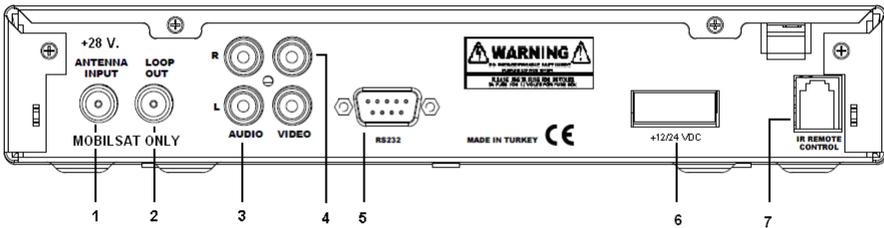
1	LNB input	5	Serial port
2	Loop out	6	Power
3	RCA audio outputs (Left, Right)	7	Infrared Remote Control
4	RCA video output		

CONNECTIONS

Before making the connections of the unit, make sure that the plug is not inserted into the mains outlet and do not plug it in, until all connections are completed. Wrong connections may cause permanent damage. If you are not sure how to make unit connections, call technical service.

CONNECTION DIAGRAM
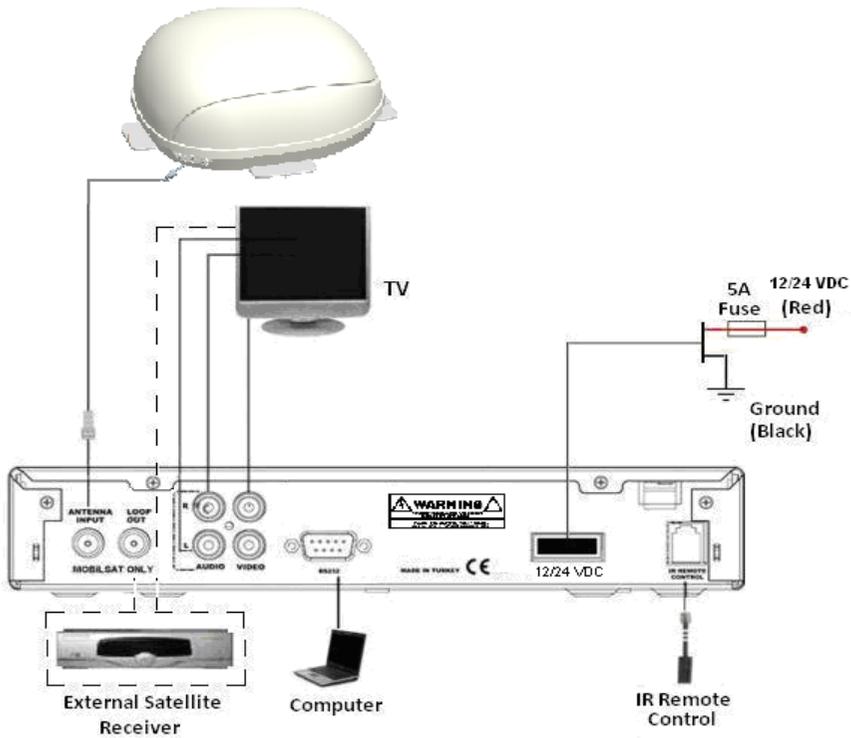
− **Connection to TV through RCA**
Video RCA output should be connected to TV Video RCA inputs. Audio RCA outputs can be connected to TV Audio RCA inputs.

− **Audio Amplifier Connection**
    Connection through RCA Outputs
You may connect your unit to a audio amplifier through RCA outputs. For this purpose, use AUDIO-L and AUDIO-R stereo outputs of your unit.

DIGITAL SATELLITE RECEIVER

FIRST INSTALLATION AND TV SETTINGS

When you have completed the required connections of your satellite receiver, you can operate it, plugging into a DC power outlet. (Please refer to "**Connections**" herein to verify their correctness.)

After you complete all the connections required, turn on the TV and receiver, and press the "**MENU**" button.

If you are using the scart connection to TV, you do not need to change any settings on your TV (other than to select the scart source). Whenever you turn on your TV and receiver, TV will automatically display the screen of the receiver. (Some TVs may not feature automatic scart switching. In this case, you need to enter the AV mode through the remote control of the TV manually.)

CHANNEL SELECTION

You may use several methods for channel selection.
− You may select a channel by pressing "▲"/"▼" buttons while any program is being displayed. The number and name of the channel that you have selected will be displayed under the screen.
− You may select a channel, using the numeric buttons. The number of the channel you have selected will be displayed under the screen. You may apply this method in three ways:
1. Press the channel number as four digits. For example, to select the channel 1875, press 1, 8, 7, 5, and to select the channel 27, press 0, 0, 2, 7.
2. Only press the channel number and then wait for few seconds. For example, to select the channel 168, press 1, 6 and 8 and wait. To select the channel 56, press 5 and 6, and then wait.
3. For fast access to the channels, while entering the channel number, keep pressing the last number. For example, to access the channel 3, press and hold the button 3. To access the channel 14, press 1 and then press and hold the button 4.
− You may call the Channel List by pressing "**OK**" button when there is no menu on the screen for choosing a channel from it. (Please see "**Channel List**".)

INFOBAR

INFOBAR is displayed at the lower side of the screen while each channel change. On this bar; channel number, channel name, signal level and and some Information about the related channel are displayed. These symbols show that if the channel is in favorite list or not, if there are alternative languages on that channel, if the channel is a radio channel, if the channel is scrambled channel and if there is teletext on that channel or not.

TELETEXT

If your TV does not have Teletext function you may use your receiver's Teletext function.
− The teletext data is available on some channels only.
− Choose the channel the teletext of which you like to view and press "**TXT**" button.
− You may use the "▲"/"▼" buttons to increase and decrease the page number.
− For direct access to requested programs you may use numeric buttons.
− Pressing the "**TXT**" button while Teletext is active makes the Teletext page transparent.
− To exit the Teletext press "**MENU**" button.

DIGITAL SATELLITE RECEIVER

CHANNEL LIST – SELECTION OF THE LIST TYPE

− If you press "**OK**" button when no menu is displayed, the Channel List will be displayed on the screen.

− The channels may be listed in different types in Channel List menu. Press the "**RED**" button to select the list type. After press the "**RED**" button, you can move the desired list type by using "▲"/"▼" buttons and select the list type by pressing "**OK**" button.

− Press the "**GREEN**" button to make some operation on the channels in this menu.

− Press the "**YELLOW**" button to list all the channels.

− Press the "**INFO**" button to list the channels from A to Z in alphabetical order.

− **SELECT SAT:** First listing type is listing the channels according to the satellite. After press the "**RED**" button in the Channel List, press the "**OK**" button when "Select Sat" is highlighted in the pop up menu. Satellite list menu comes up. All the channels are listed in this menu. Move the desired satellite by pressing "▲"/"▼" buttons and press "**OK**" button. If you select "All", all the satellite channels are listed. If you select one of the satellites, only the channels belong to that satellite are listed.

− **TV/RAD:** The second listing type is listing the channels according to if the channel is TV or Radio channel. After press the "**RED**" button in the Channel List, select the "Tv/Rad" by using "▲"/"▼" buttons and press the "**OK**" button. The options are "All", "TV" and "Radio" in this menu. Select the desired option by using "▲"/"▼" buttons and press the "**OK**" button. If you select "All", all the TV and Radio channels will be listed. If you select "Radio", only radio channels will be listed and if you select "TV", only TV channels will be listed.

− The programs with a ♪ (note) symbol at the beginning are the radio programs.

− **FTA/SCRAMBLED:** The third listing type is listing the channels according to if the channel is FTA (Free to air) or Scrambled (coded) channel. After press the "**RED**" button in the Channel List, select the "FTA/Scrambled" by using "▲"/"▼" buttons and press the "**OK**" button. The options are "All", "FTA Only" and "different scrambling system names" in this menu. Select the desired option by using "▲"/"▼" buttons and press the "**OK**" button. If you select "All", all the channels are listed. If you select "FTA Only", only FTA channels will be listed and if you select "one of the scrambling systems", only the channels that belong to that scrambling system will be listed.

− The programs with a " " symbol at the beginning are scrambled channels in the Channel List.

− **FAV GROUP:** The fourth listing type is listing the channels according to the favorite groups. After press the "**RED**" button in the Channel List, select the "Fav Group" by using "▲"/"▼" buttons and press the "**OK**" button. The options are "All", "Only Favs" and "the other favorite channel groups" that you've created in this menu. Select the desired option by using "▲"/"▼" buttons and press the "**OK**" button. If you select "All", all the channels are listed. If you select "Only Favs", only favorite channels will be listed and if you select "one of the favorite channels" that you've created, the favorite channels that belongs to that group will be listed.

− **ALPHA SORT:** The last listing type is listing the channels according to the alphabetical order. After press the "**RED**" button in the Channel List, select the "Alpha. Sort" by using "▲"/"▼" buttons and press the "**OK**" button. The options are "Normal", "A..Z" and "Z..A" in this menu. Select the desired option by using "▲"/"▼" buttons and press the "**OK**" button. If you select "Normal", the channels are listed according to the recording order. If you select "A..Z", the channels are listed according to the alphabetical order. If you select "Z..A", the channels are listed according to the inverse alphabetical order.

− Press "**MENU**" or "**EXIT**" button to exit the Channel List menu.

CHANNEL LIST – OPERATION MENU

Different operations are also possible in the Channel List menu. Press "**GREEN**" button to select operation type. After press the "**GREEN**" button in the Channel List, select the Operation by using "◄"/"►" buttons. There are 8 symbols in the Channel List for these operations.

− **NAME**: The first symbol at the top of the left column in the Channel List is for the change of the channel name. Select 🔵 by using "◄"/"►" buttons and press the "**OK**" button to "Name" operation. You can select the channel that you want to rename by using "▲"/"▼" buttons. When you press the "**OK**" button again, keyboard comes to the screen. Press "▲"/"▼", "◄"/"►" and "**OK**" buttons on the remote control to enter the desired letters on the keyboard. The channel name may have up to 32 characters. You can use uppercase or lowercase, numerical, -, & or space in the channel name.

− **DELETE**: You can delete the channels you want in the Channel List by using this operation. Press "**GREEN**" button to enter operation menu. Select ❌ by using "◄"/"►" buttons and press the "**OK**" button to activate "Delete" operation. When you press "**OK**" button, the current channel is selected. You may select the channel you want to delete by "▲"/"▼" buttons. If you press "**OK**" button again the selected channel is deleted without another warning. All channels belong to that list are deleted if "**YELLOW**" button is pressed.

− **FAV GROUP**: Press "**GREEN**" button to enter operation menu. Select 🔴 by using "◄"/"►" buttons, "Fav Group" is activated and by pressing "**OK**" button "Fav Ops." menu comes up. The options in this menu are adding/removing a new channel to the favorite channel group, creating a new favorite channel group, renaming and deleting an existing group, locking and unlocking a group. If you will add a new group, when you press "**OK**" button while "Add/Rem. Channel" is selected, keyboard comes to the screen. You can create a new favorite group by using the keyboard.

− After you create a new Favorite Group you can change the name of the group. For this operation "Rename Group" option is used. For adding a channel to the created group come on to the "Add/Rem. Channel" and press "**OK**" button. The menu on the right comes to the screen. There are Channel List on the left column and Favorite group list on the right column in this menu. Select a channel from the Channel List and press "**OK**" button, that channel will be added to the favorite channel list.

− **LOCK**: Press "**GREEN**" button to enter operation menu in the Channel List. Select ⬛ by using "◄"/"►" buttons, "Lock" operation is activated and by pressing "**OK**" button "Pin" menu comes up. Enter the 4 digits password by using numeric buttons on the remote control. (Factory setting of your receiver is 6,3,8,2). Lock menu is entered. By using "▲"/"▼" buttons come to the channel that will be locked and press "**OK**" button. That channel will be locked and "🔒" sign will be appeared on the left side of that channel name in the Channel List.

− The parental lock operation is made to the channels by this feature. The PIN menu comes up when you want to access these channels and you can not access to these channel unless enter the pin correctly.

− **MOVE**: Press "**GREEN**" button to enter operation menu in the Channel List. Select ⬆️ by using "◄"/"►" buttons, "Move" operation is activated. When you press "**OK**" button the menu on the right comes up. There are Channel List on the left column and the channels will be moved on the right column. Select the channel you want to move and press "**OK**" button. That channel goes to the right column. In this menu press "**GREEN**" button to go to the list on the right. If you select a channel and press "**OK**" button again that channel goes to the left column again, it can be removed from the channel list that will be moved. The channel that will be moved all together are listed on the right column.

− Press "**YELLOW**" button to move the selected channels to the desired place. In the left column, by using "▲"/"▼" buttons go to the place the channels will be moved and press "**OK**" button. All the channels that will be moved will go to the top of the selected channel place.

− **SWAP**: Press "**GREEN**" button to enter operation menu in the Channel List. Select 🔄 by using "◄"/"►" buttons, "Swap" operation is activated. Come to the first channel that you want to make swap and press "**OK**" button. Then go to the second channel that you want to swap, press the "**OK**" button again. The two channels are replaced to each other.

– **SKIP**: Press "**GREEN**" button to enter operation menu in the Channel List. Select by using "◄"/"►" buttons, "Skip" operation is activated. If there is a channel that you want to skip while changing the channels in the Channel List, come to that channel by using "▲"/"▼" buttons and press "**OK**" button. "" sign appears on the left side of the channel name. This channel will be skipped over from now on while zapping. But you may still access that channel by pressing its number on the remote control.

– **HIDE**: Press "**GREEN**" button to enter operation menu in the Channel List. Select by using "◄"/"►" buttons. If you select "Hide Channels" option, "Hide" operation is activated. Each channel you pressed the "**OK**" button while on it in the list is hidden. If you select "Show hidden chs." option, you can see the hidden channels again. If you press the "**OK**" button while on a hidden channel, that channel becomes visible. If you select "Don't show hiddens" in the menu below; the hidden channels become invisible again.

– Press "**MENU**" or "**EXIT**" button to exit the Channel List menu. If you've made a change on the Channel List, "**Do you want to save changes**" alert message will appear on the screen. Press "**OK**" button to store the changes, press "**MENU**" or "**EXIT**" button to exit without storing.

RADIO

Pressing the "**RADIO**" button activates the "Only Radio" mode. By using "▲", "▼" and numeric buttons, you can select a radio channel. You can deactivate the radio mode by pressing the "**RADIO**" button again. When you press "**RADIO**" button again, "All" mode is selected, when you press "**RADIO**" button again "Only TV" mode is selected.

FAVORITE CHANNEL LIST

− Press "**FAV**" button, while there is no menu on the screen. Favorite Selection menu comes to the screen. You can select one of the favorite group in this menu and you can zap only over the selected group channels. If you want to see all the channels, select the "All Channels" option.

− Press "**MENU**" or "**EXIT**" button to exit without selecting any option.

Fav Selection

1 All Channels
2 SPORT
3 NEWS

Selected: All Channels

SATELLITE SELECTION

− If you want to watch the programs of a certain satellite only, you can select the satellite that you want from the list.

− Press the "**SAT**" button when there is no menu on the screen. Satellite Selection menu comes to the screen. In this menu, move onto the satellite line that you want to select by using "▲"/"▼" buttons and press the "**OK**" button.

− You will see only the programs included in the satellite that you have chosen on the program list. If the option "All Sats" is selected, you will be able to watch the programs included in all the satellites.

− Press "**MENU**" or "**EXIT**" button to exit from the satellite list.

Sat Selection

1 All Sats
2 Turksat 42E
3 Hotbird 13E
4 Hispasat 30W
5 Eut W3A 7E
6 Test Sat T
7 Test Sat H

Selected: All Sats

MAIN MENU

− The menu which is displayed when you press the "**MENU**" button while there is no menu on the screen is the MAIN MENU. By using the "◄"/"►" and "▲"/"▼" buttons, you can move the cursor right, left, up and down. You can move onto the symbol you want and enter the sub-menu belongs to that symbol by pressing "**OK**" button.
− There are Installation, System, Timers, Extras and Games sub-menus in the main menu.
− You can move the cursor up and down in the sub-menus by using the "▲"/"▼" buttons.
− Exit from the Main Menu and sub-menus by pressing "**MENU**" or "**EXIT**" button.

INSTALLATION

− While in the main menu, move to the Installation by using "◄"/"►" and "▲"/"▼" buttons and press "**OK**" button. Installation sub-menu is displayed.
− There are Satellite, Transponder, Manual Edit / Search and Automatic Search options in this menu.

TRANSPONDER LİST

− While in the main menu, move to the Installation by using "◄"/"►" and "▲"/"▼" buttons and press "**OK**" button. Press "**OK**" button again on "Transponder" option. Transponder List sub-menu is entered.

− There are transponder list of the related satellite on the left column and the program list belongs to the that transponder on the right column in the Transponder List menu. Press "**RED**" button to select the satellite. When the "**GREEN**" button is pressed, the cursor moves to Program List column. You can add a new transponder by pressing "**BLUE**" button or you can delete a transponder by pressing "**YELLOW**" button.

− While in the Transponder List menu, come onto any transponder and press "**OK**" button, Transponder menu comes up. There are "Ops. Menu" and "Search" options in this menu.

− Press "**OK**" button when "Ops. Menu" is selected. Transponder Settings menu is entered. Select the satellite on which you will change the settings by using "◄"/"►" buttons.

− By using "▲"/"▼" buttons, you may go to "Frequency", "Symbol Rate" and "Polarity" lines and by using "◄"/"►" or numeric buttons, you may change their values. If you enter correct information, the Signal Strength will appear at the bottom of the menu. Press "**BLUE**" button to store the change.

− Move on the "Search" line in Transponder menu. Searching processed is started. You may search all TV and Radio channels in that transponder by this Search process. All found TV and Radio channels will be listed on the screen.

− When the Scanning is completed "**... channel(s) are found. Do you want to save them?**" alert message will be appeared on the screen. If you press "**OK**" button, all the channels that found will be stored. If a channel is already in the memory, it is not saved again. If you press "**MENU**" or "**EXIT**" button, you exit without storing any of such channels.

CHANGING PROGRAM SETTINGS

− Display the program of which you want to change the settings.
− Then enter the Installation menu from the main menu and then Manuel Edit / Search sub-menu.
− By using "◄"/"►" buttons you can change "Satellite", "Frequency", "Polarity" and "Symbol Rate" information. When you enter correct information, the "Signal Quality" and the "Signal Strength" levels will appear on the bars in the menu. In this menu by pressing "**RED**" button you can scan a transponder for a related frequency. If you press "**BLUE**" button, that channel will be added to the end of the list as another channel.
− **Scan TP:** When you press "**RED**" button, scanning is made for the frequency that you've choosen.
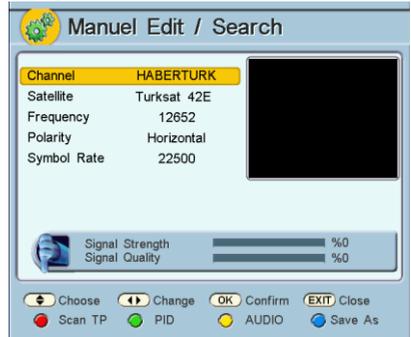
− **PID Setting:** When you press "**GREEN**" button, PID menu comes up. The values in this menu are set automatically while searching, so it is not required to change these values by the user.

− **AUDIO Setting:** When you press "**YELLOW**" button, Audio menu comes up.
− "Mode" is "Stereo" unless any change is made. It can also be set to "Left", "Right" or "Mono" by using "◄"/"►" buttons.
− Volume of some programs may be higher or lower than the others. This causes the volume to increase or decrease abruptly. In order to compensate such volume differences, you can use "Volume offset" option in the Audio menu.

− When you increase the volume offset, the volume of the program will increase, and when you decrease the volume offset (with – values), the volume of the program will decrease accordingly. When on the "Volume Offset" line, adjust the volume difference between +10 and -10 by using "◄"/"►" buttons.
− **Access to Audio Tracks:** Some programs are able to broadcast in several languages. Press "**OK**" button while you are on "Audio Tracks" line. Select the language you want.
− Press "**MENU**" or "**EXIT**" button to exit from the Audio sub-menu. "**Do you want to store?**" alert message will be displayed if you have made any change. Press "**OK**" button to store. Press "**MENU**" or "**EXIT**" button to exit without storing the changes.

AUTOMATIC SEARCH

− While in the main menu, move to the Installation by using "◄"/"►" and "▲"/"▼" buttons and press "**OK**" button. Press "**OK**" button again on "Automatic Search" option. All Scan sub-menu is entered.

− Select the satellite by using "◄"/"►" button on "Satellite" line.

− "Method" can be selected as "Fixed Sr" or "Transponder". If you select "Transponder" as method, all relevant transponders will be searched. If you want to search by symbol rate, select the "Fixed Sr" as method and then enter the "Symbol Rate" by using "◄"/"►" or numeric buttons.

− Define the "Only TV", "Only Radio" or "All" scan type on the "TV/Rad" line by using "◄"/"►" buttons.

− Select "FTA Only" for "FTA/Scrambled" only if you want to scan free to air channels. Select "All" for "FTA/Scrambled" if you want to scan both free to air channels and the other channels.

− "Network Search": Network information table is sent by some programs and it shows the location of the other programs. If "Network Search" option is "Yes", the receiver tries to find the new programs according to the network information table.
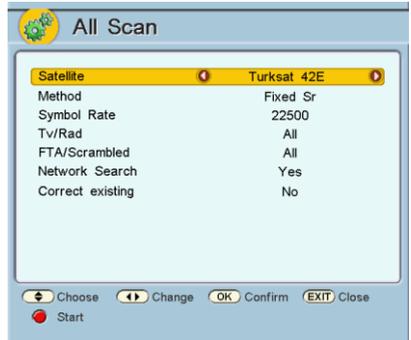
SYSTEM

− The second sub-menu in the main menu is System menu. While in the main menu, move to the System by using "◄"/"►" and "▲"/"▼" buttons and press "**OK**" button. System sub-menu is displayed.
− There are "OSD Settings", "Time and Date", "Parental Settings", "Other Settings" and "Service" options in this menu.
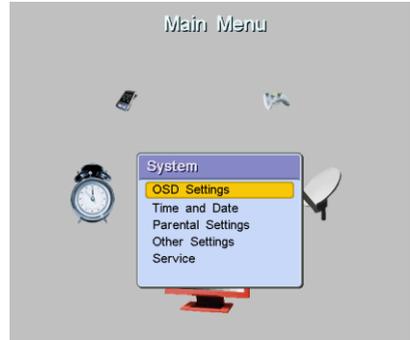
OSD SETTINGS

− While in the main menu, move to the System by using "◄"/"►" and "▲"/"▼" buttons and press "**OK**" button. Press "**OK**" button again on "OSD Settings" option. OSD Settings sub-menu is entered.
− Select language from "OSD Language" line by using "◄"/"►" buttons.
− "Prim. Audio Lang", "Sec. Audio Lang": Primary and secondary audio languages. Some channels broadcast in multiple languages. Which languages are selected in these lines, the found channel will be watched in that languages.
− "Subtitle Language": Some channels broadcast in multiple subtitle languages. If the channel that you watch has the subtitle language you've choosen, it is displayed automatically.

− You can adjust the transparency as "%0", "%20", "%40" or "%60" on the "Transparency" line.
− "Channel Switching" can be made by freezing the picture or blanking the screen or fast. Select "Fast", "Freeze" or "Blank" by using "◄"/"►" buttons.
− "Info Bar Duration" can be set between 1 second and 5 seconds.
− "OSD Background" and "Radio Background": There is one standard OSD and radio background ("Default") in your receiver. You can load different pictures from your PC. If you load pictures to the receiver they seem on this option and you can select the picture that you want.
− Press "**MENU**" or "**EXIT**" button to exit from OSD Settings sub-menu. "**Do you want to store?**" alert message will be displayed if you have made any change. Press "**OK**" button to store. Press "**MENU**" or "**EXIT**" button to exit without storing the changes.
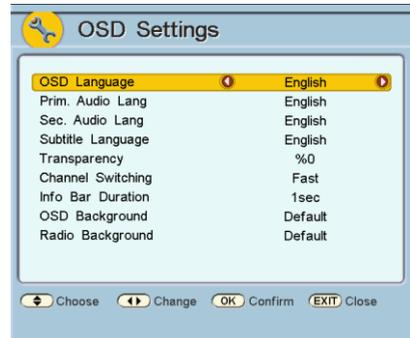
TV SETTINGS

− While in the main menu, move to the System by using "◄"/"►" and "▲"/"▼" buttons and press "**OK**" button. Press "**OK**" button again on "TV Settings" option. TV Settings sub-menu is entered.
− You can select the system as "NTSC", "PAL B/G" or "PAL I" on the "System" line by using "◄"/"►" buttons.
− You can set Brightness, Contrast and Saturation a value between 0-100 by using "◄"/"►" buttons.
− Press "**MENU**" or "**EXIT**" button to exit from TV Settings sub-menu. "**Do you want to store?**" alert message will be displayed if you have made any change. Press "**OK**" button to store. Press "**MENU**" or "**EXIT**" button to exit without storing the changes.
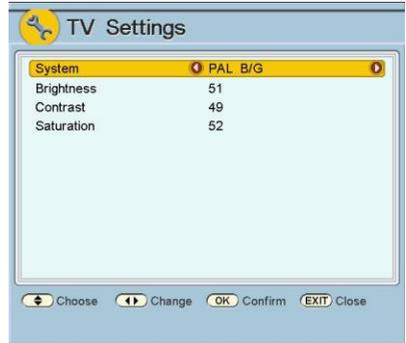
TIME AND DATE

− Enter the Main Menu and then the Time & Date sub-menu from the System menu.
− "Mode" can be selected as "Auto", "Manual" or "Selected tp". In "Manual" mode; the time is set by the user. In "Auto" mode; the time comes from the channel. In "Selected tp" mode; the time comes from the selected transponder.
− You can move to "Date" and "Time" lines by using "▲"/"▼" buttons and change them by using numeric buttons.
− Press "**MENU**" or "**EXIT**" button to exit from the menu. "**Do you want to store?**" alert message will be displayed if you have made any change. Press "**OK**" button to store. Press "**MENU**" or "**EXIT**" button to exit without storing the changes.
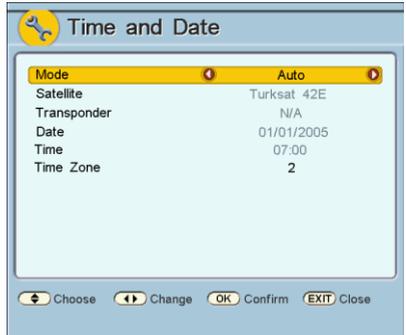
Note: When the power of the equipment fails for any reason, the date and time settings will be cleared if they've entered in manual mode. You should enter "Time Zone" for automatic time keeping.

It is mandatory to set time and date before adjusting the timers.

PARENTAL SETTINGS

− Enter the Main Menu and then the Parental Settings sub-menu from the System menu.

− "Enter Pin" message will be displayed. Enter the 4 digits password by using numeric buttons. (Factory setting of your receiver is 0,0,0,0.)

− Parental Settings menu is displayed after the pin is entered correctly.

− If "Receiver Lock" is made "On", the pin is asked every time when the receiver is switched on.

− If you don't want to your receiver settings change by any other person, you can use "Setup Lock" option. If "Setup Lock" is "On", the pin is asked to enter the menus which the receiver channel information and settings are being changed.

− To change the pin, move to "Change PIN" line and press "**OK**" button. "Enter New PIN" line becomes active. Enter the new pin by using numeric buttons. After you enter the new pin, "Confirm New PIN" line becomes active. Enter the new pin again. When you pressed the last number "Pin changed" message is displayed. Press "**OK**" button to confirm.

− Press "**MENU**" or "**EXIT**" button to exit from the Parental Settings menu. "**Do you want to store?**" alert message will be displayed if you have made any change. Press "**OK**" button to store. Press "**MENU**" or "**EXIT**" button to exit without storing the changes.
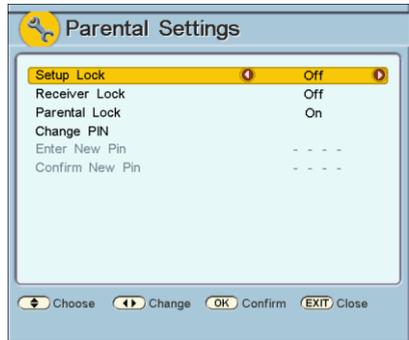
OTHER SETTINGS

− Enter the Main Menu and then the Other Settings sub-menu from the System menu.
− If you are using an LNB dedicated to you, the LNB power of your satellite receiver must be switched on. Common LNB is used for inner-building distribution systems. Since the common LNB is powered by the distribution center, the LNB supply of your equipment must be switched off. Set to "LNB Power" option "On" or "Off" by using "◄"/"►" buttons.
− If "Automatic Power-on" is set to "Off" when the main power fails, your satellite receiver is opened on stand-by mode. Set to "Automatic Power-on" option "On" or "Off" by using "◄"/"►" buttons.
− If "Automatic Search" is set to "On", the receiver searches the new channels in some intervals while on stand-by mode.
− Press "**MENU**" or "**EXIT**" button to exit from the Other Settings menu. "**Do you want to store?**" alert message will be displayed if you have made any change. Press "**OK**" button to store. Press "**MENU**" or "**EXIT**" button to exit without storing the changes.
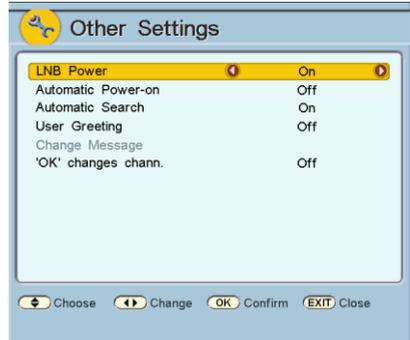
SERVICE MENU

− Enter the Main Menu and then the Service sub-menu from the System menu.
− While on "Information", press "**OK**" button. Information menu is displayed. In this menu; some information related with software and hardware are displayed.
− "Factory Reset" option is used to return to the last channel information which is loaded to your receiver with data connection. The pin is required to enter this menu. After the pin is entered "**Factory settings will be restored. Are you sure?**" alert message will be appeared. If you pressed "**OK**" button, the factory settings are restored.
− "Backup Channel List": The pin is required to enter this menu. After the pin is entered "**Are you sure that you want to backup channel list?**" alert message will be appeared. If you pressed "**OK**" button, the channel list is backup.
− "Recall Backup List": The pin is required to enter this menu. After the pin is entered "**Are you sure that you want to recall database backup?**" alert message will be appeared. If you pressed "**OK**" button, spare channel list is reloaded.
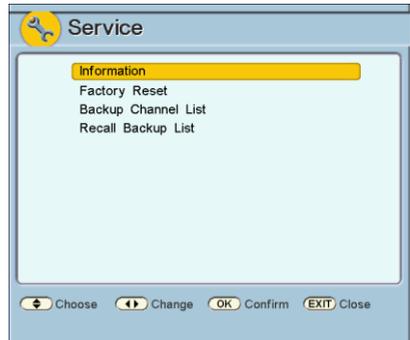
TIMERS

Timers are used to turn on/off the unit at the programmed times. Your receiver contains 8 timers.

For timer settings:

– Enter the Main Menu and then move to the Timers sub menu.

– Select the timer that you will make a change, by using "▲"/"▼" buttons, then press "**OK**" button. Timer Details menu is displayed.

– In Timer Details menu; select the channel "◄"/"►" buttons which you want to set. Enter the Date of the program on "Date" line. Enter the "Start time" and "End time" by using numeric buttons. (If start time of the program is later than end time of the program, end time is assumed to be in the next day.)

– "Mode" can be selected as "Once", "Daily" or "Weekly" by using "◄"/"►" buttons.

• If you choose "Once": It turns on the receiver only on the date that you entered on the "Date" line. "Weekday" becomes passive.

• If you choose "Daily": "Weekday" and "Date" lines become passive. The program that you selected will turn on/off on that time everyday.

• If you choose "Weekly": "Date" line becomes passive and you can change the day on "Weekday" line. If you entered a day on the "Date" line, every week, it will turn on/off on the day that you have chosen.

– "Active" should be set to "Yes" to activate the timer.

– Save the changings by pressing "**BLUE**" button.

– After completing the changes you want, press "**MENU**" or "**EXIT**" button to exit from the Timers menu.

Notes:
If power fails for any reason, all timer settings will be deleted and all timers turn off.
Before adjusting the timers, time and date should be entered in Time & Date sub-menu.
The settings should not collide with one another.

EXTRAS

− While in the main menu, move to the Extras by using "◄"/"►" and "▲"/"▼" buttons and press "**OK**" button. Extras sub-menu is entered. You can access some useful programs in this menu.

− While in the Extras menu, move to the "Calendar" by using "▲"/"▼" buttons and press "**OK**" button. Calendar comes to the screen. The calendar covers the date from 1980 to 2099. Year is selected by "▲"/"▼" buttons and month is selected by "◄"/"►" buttons. Press "**EXIT**" or "**MENU**" buttons to exit the calendar.

− While in the Extras menu, move to the "Calculator" by using "▲"/"▼" buttons and press "**OK**" button. Calculator comes to the screen. Simple aritmetic calculations can be made by using numerical, "▲"/"▼","◄"/"►" and "**OK**" buttons in this menu. Press "**EXIT**" or "**MENU**" buttons to exit the calculator.

GAMES

−   While in the main menu, move to the Games by using " ◄ "/" ► " and " ▲ "/" ▼ " buttons and press "**OK**" button. Games sub-menu is entered.

ELECTRONIC PROGRAM GUIDE - EPG

Broadcast timetable will be sent through some programs. You may use the EPG feature of the unit to get this information.

−   Press "**EPG**" button on the remote control when no menu is displayed. EPG menu comes to the screen.

−   You will see on the EPG menu the list of the channels, timetable, and starting and finishing time, name and summary of the channel above.

−   You may use " ▲ "/" ▼ " buttons to move between channels and to display data on the screen. Every time you change the channel, you will see the live picture of the new channel on the upper left side.

−   You will see the starting and finishing time and the day of the period that timetable covers. Red line shows the current time.

−   You may use EPG menu as a reminder menu. If you select a channel other than the current channel, at a further time and press "**OK**" button, its box will become red. When the time of the selected channel comes, your receiver will automatically pass to that channel. To cancel this feature, press again "**OK**" button on the same box.

COMMON INTERFACE (OPTIONAL)

Some Troya II Digital Satellite receiver models have CI (Common Interface) module. CI modules are used with smart card.

CI module, provides watching the existing and future scrambled channels. With a correct CI module and correct smart card scrambled channels can be watched.

Insert the smart card into the slot on the CI module and then select the scramled channel. The scramled channel will be automatically available in a few seconds.
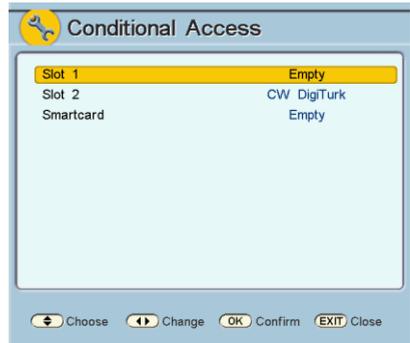
Before calling the technical service for any problem with your unit, check the followings:

PROBLEM	REASON
The unit does not operate at all (The LED on the front panel does not light up).	Make sure the power connection is made correctly. The fuse of the connected line may be blown.
Menus of the unit appear on the TV, but no picture or sound occurs.	Make sure that the unit is connected to the SatFi RV antenna correctly; wait for satellite search and fine tuning to complete. Also make sure that the program settings of the unit are set to one of the programs included in the satellite that you want to watch & the channel is broadcasting at the time of day you are trying.
During digital programs, audio interruptions and video pixelation occur.	Signal emitted by the antenna is not strong enough. Make sure that there is no problem with the cable or if the view to the satellite could be partially blocked.
A digital program that was watched previously is not available any more.	The frequency, polarity, symbol rate or PID values of that program might have changed. Websites such a www.lyngsat.com are good sources of program data.
Remote control is unresponsive.	Batteries of the remote control might be flat. Make sure that the sensor on the front panel of the unit is not covered or blocked by anything.
Picture is available, but no sound or weak sound.	Make sure that the volume of your TV and satellite receiver is at adequate level. Note: receiver will return to full volume next time you power on.

DIGITAL SATELLITE RECEIVER

GENERAL SPECIFICATIONS

- Animated OSD
- 8000 Channels
- Smart channel scan
- Very fast channel switch
- Mosaic channels (15 still picture, 1 live picture)
- Picture in Picture (PIP)
- Various Games
- Various Utilities
- Custom OSD-Radio backgrounds
- Channel list backup
- 16 favorite channel groups
- Advanced channel editing (Multiple deletion, multiple move, hide, skip)
- DVB and Teletext Subtitle
- VBI and OSD Teletext
- Electronic Program Guide (EPG)
- Multilingual audio support
- Multilingual OSD
- Parental, setup and device lock
- Firmware and channel list update from PC or other box
- SCPC-MCPC compliant
- 200 MHz main CPU
- 16 MB Flash
- CI (Common Interface) slot (optional)

TECHNICAL SPECIFICATIONS

TUNER
Standard:	DVB-S
Input signal level:	-65…-25 dBm
Frequency range:	950-2150 MHz
Demodulation:	QPSK
Symbol rate:	1-45 Msps
Code rates:	1/2, 2/3, 3/4, 5/6 and 7/8
Reed Solomon:	204, 188, 8
System:	SCPC, MCPC
Channel lock:	PLL
Output:	Loop-through output
Input and output impedances:	75 Ω
Connectors:	F type, Female

AUDIO / VIDEO
Audio system:	MPEG Layer 1-2
Sampling:	32, 44.1, 48kHz
Audio output mode:	Mono, Dual mono, Stereo
Video system:	MPEG2 ISO/IEC 13818-1
Resolution:	720*576
Video mode:	PAL

A/V CONNECTIONS
RCA:	Video (CVBS), Ses (Stereo) output
	Video (CVBS), Audio (Stereo) out

SYSTEM SOURCES
CPU (Central Processing Unit):	200 MHz RISC
RAM:	128 Mb RAM
Flash memory:	16 Mb

DATA
Standard:	RS232, 115200, 8, n, 1
Connector:	9 pin, D-type, male

POWER SUPPLY
Type:	Switch Mode
Power consumption:	30W
Operating voltage:	12V….24V DC

GENERAL
Dimensions:	185 x 202 x 60 mm
Weight:	1400 gr
Operating temperature:	5~40 °C

The manufacturer reserves the right to change specifications without notice.

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