

DTV - 6908S

DVB-T Digital Video Broadcast Receiver
with Diversity Solution

INSTRUCTION MANUAL



CONTENT OF MANUAL

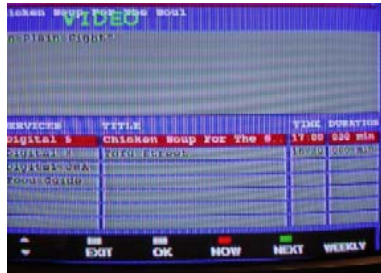
14 Now(Red), Next(Green), Week(Yellow), Fn(Blue)

Press these buttons while in teletext mode will enable you to use the teletext functions. It is determined by the buttons' color (*Note: Teletext-enabled model supported only.*). Press these buttons while in EPG mode will enable you to use the EPG functions indicated by the buttons' names.

15 EPG

Enable EPG.

Press this button to display EPG mode (Electronic Program Guide) while EPG data service available.



16 Program Selection (Number Key Pad)

Enable the direct selection of the scanned program. Press the numeric button of the remote controller to select the desired program.

Example –

To view program 1, press “1” button. The receiver will switch to program 1. To view program 11, press “1” button twice. The receiver will switch to program 11. To view program 14, press “1” followed by button “4” within short period of time. The receiver will switch to program 14.

1. SPECIFICATIONS

2. CAUTION

3. GETTING STARTED

4. PRODUCT OVERVIEW

5. REMOTE CONTROL

6. OPERATING

7. ANTENNA INSTALLATION

1. SPECIFICATIONS

Operating power	DC 12V(11~28V allowance), 0.75A Grounding System: Negative ground
Power consumption	Max 18W
Gross Weight	Approx. 1.5Kg
Tuner	DVB-T Receiver, Frequency Range: VHF and UHF
COFDM Modes	COFDM 2K and 8K carrier modes and all COFDM modulation types (QPSK, 16-QAM and 64-QAM), code rates and guard interval defined by the DVB-T standards.
MPEG Transport	MPEG2 ISO/IEC 13818-1 Transport Stream at rate up to 60 Mbps.
EPG	Electronic Program Guide Available
Information	Now & Next Information Available
Software upgraded	Through RS-232 Port
Video	MP@ML MPEG-2 decoding 720x576 pixels @ 25fps for PAL 720x480 pixels @ 30fps for NTSC
Audio	Decompression MPEG-2 Layer I/II Samples Rates: 32kHz/44.1kHz/48kHz Sound Mode: Single/Dual Joint Stereo/Stereo.

Input

	<u>Connector</u>	<u>Sensitivity</u>	<u>Impedance</u>
RF signal	F-Type, Female IEC 169-24	16 dBuV ~ 70 dBuV	75 ohm
Audio/Video	RCA Jacks	Video: 1V p-p @ 75 ohm Audio: 1V @ 10K ohm	Over 10k ohm

Output

	<u>Connector</u>	<u>Maximum Output</u>	<u>Impedance</u>
Audio	RCA Jacks	2V @ 50k ohm	Over 10k ohm
Video	RCA Jacks	1V p-p	75 ohm, unbalanced, sync negative, white peak.

10 P-List

Display and select the favourite program

Press this button, a list of selected favourite program will be displayed on the TV screen. To leave this selection, press the same button again or “Exit” button.

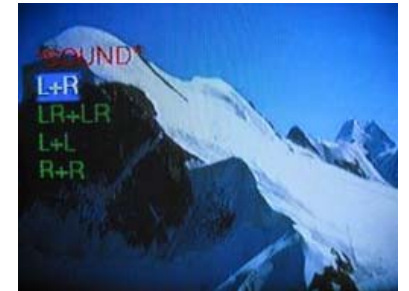


Press the **Up/Down** button to move the menu bar to the desired program and press “OK” button.

11 L/R Sound

Change the sound mode

L+R: Stereo sound output.
LR+LR: Both L+R output at L and R audio output.
R+R: Both R output at L and R audio output.
L+L: Both L output at L and R audio output.



12 P+/P-

To select the saved program

Press “P+” or “P-” repeatedly to select the program number.

13 V+/V-

Enable the adjusting of the audio output level

Press “V+” to increase the output level and “V-” to decrease the output level.

A level bar will be displayed on TV screen while adjusting the volume of audio output.

2. CAUTION

9-2 Auto Scan

Scan for all the digital TV broadcast on air

Highlight the “Auto Scan” and press “OK” button, 2 options will appear (UHF, VHF+UHF), select the desired option then press “OK” button, the receiver will scan for the local digital TV broadcasting.



After completing the search, an “All Program List” consisting of program number, channel program number, service name and favourable selections will be displayed on screen. You may choose a favourite program at this menu (please see description in 9-3), or else press button “Exit” to exit.

9-3 All Program List

Display all programs, which had been stored in the receiver and enable the user to do the selection of the favourite program.

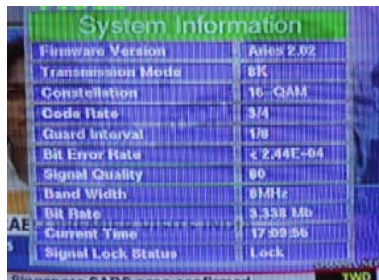
Highlight the “All Program List” and press “OK” button, an “All Program List” consisting of program number, channel program number, service name and favourable selections will be displayed on screen.

To remove a program, highlight the program and press “OK” button, the “X” marked at column “F” will be disappeared. Repeat this step to continue remove programs.

9-4 System Information

Display the technical status of the receiver for Technical Personnel.

To activate, highlight the “System Information” on the Menu list and press “OK” button. To cancel, press “Exit” button.



Power Sources

- Before operating the receiver, check that operating voltage is identical with your power supply. The operating voltage is indicated on the rear of the receiver.

Placement

- Place the receiver in a location with adequate ventilation to prevent heat from build-up in the receiver. Do not block the ventilation windows of the receiver.
- Do not place the receiver near to a heat source, or expose it to direct sunlight, excessive dusts.

3. GETTING STARTED

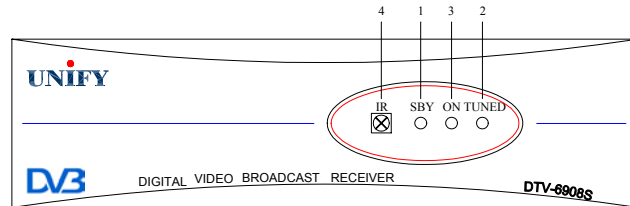
Check that you have the following items ready:

- Remote controller unit (1 piece)
- Mobile TV antenna (2 pieces for used in vehicle)
- External Infra Red Sensor (1 piece for used in vehicle)
- FM Modulator (Optional)



4. PRODUCT OVERVIEW

Front Panel



1 SBY LED

Stand-by indicator turned ON when the receiver is powered and at stand-by mode.

3 ON LED

The red light is lit in power on mode.

2 TUNED LED

Locked indicator turned ON when the receiver is locked on to the Desired program.

4 IR LED

IR receiver for remote controller.

9-1 Manual Scan

Enable the receiver to scan for a desired channel

When highlight the “Manual Scan”, press “OK” button. The “Channel Setup” and “Program Search” menu will be displayed on TV screen.



Channel Setup

At marked function, press button “OK”, a current channel list will appear. Press “Del” button to delete a channel or press “Ins” button to add new channels, after that a prompt for selecting channel will be displayed. Press **Up/Down** key to select a channel, press “OK” to save the settings. Repeat the step to add other available channel as you like. Press “Exit” to end channel setup.

Program Search

Scan for the program that being broadcasted at the desired channel, which had been set by the user at the “Channel Setup” mode. Highlight this function by using the **Up/Down** button and press “OK” button, the receiver will then scan for the desired digital TV broadcast channel.

After completing the search, an “All Program List” consisting of program number, channel program number, service name and favourable selections will be displayed on screen. You may choose a favourite program at this menu (please see description in 9-3), or else press button “Exit” to exit.

5. Ch+/Up and Ch-/Down

To scroll up or down the menu bar for function selection purpose. They also can function as switching channels at certain circumstances. Press “Ch+” or “Ch-” repeatedly to select the channel number.

6. Del/Left and Ins/Right

Used for **function selection purpose**. Also used for deleting and inserting favourite programs.

7. OK

Enable the receiver to execute the confirmed operation requested by the user. Press this button will enable the receiver to execute the operation that requested by the user.

8. Exit

To exit from any function (PRG list, Menu) entered

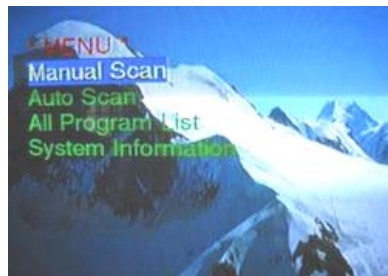
Press this button will exit out from any operations that entered.

9. Menu (Set up)

To enable the following function:

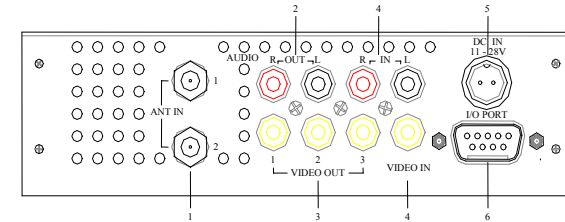
1. Manual Scan
2. Auto Scan
3. All Program List
4. System Information

Press this button, a menu consisting of selectable functions will be displayed on the TV screen. Use Up/Down button to select a desired function and press “OK” button. To exit this selection, press the same button again or press “Exit” button.



4. PRODUCT OVERVIEW

Rear Panel



1 RF IN
TV RF signal input.

4 AV IN
External audio and video input to the receiver. The Video can be viewed and audio sound can be heard only when the receiver is at stand-by mode.

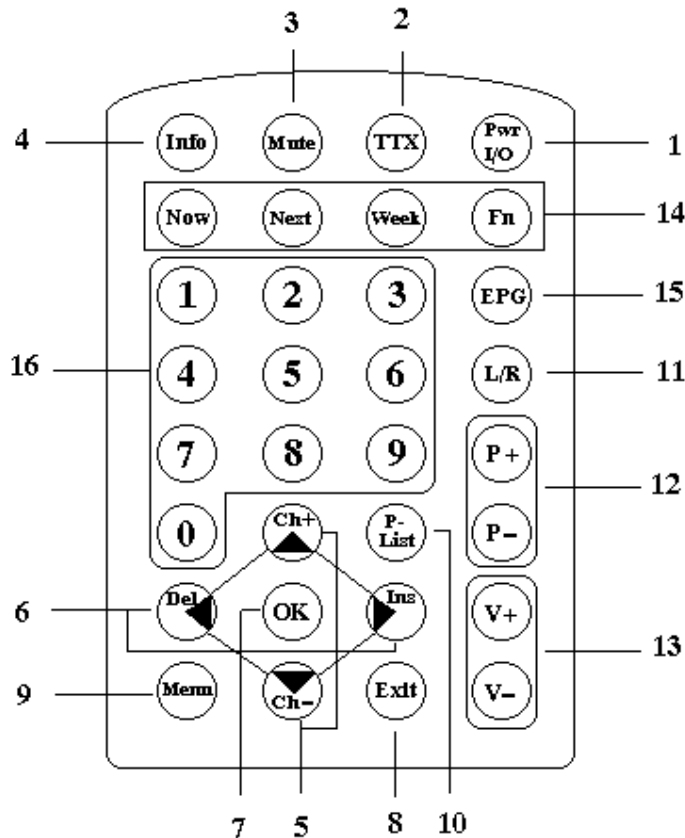
2 AUDIO OUT
Audio output to amplifier.

5 POWER SUPPLY IN
DC supply to the receiver.

3 VIDEO OUT (V1, V2 & V3)
Video output to monitor.

6 I/O PORT
Connecting the external remote controller to the receiver.

5. REMOTE CONTROL



All operating controls are on the Remote Controller

6. GETTING STARTED

Initial Set-up : Please go to No. 1 and No. 9.

1. Power On/Off

To switch On or Off the receiver

Press this button, the receiver will be turned on, stand-by LED will be off. Press this button again will set the receiver to stand-by mode. The stand-by LED will light up.

2. TTX

Display Teletext on the TV screen

Press this button to display teletext on the TV screen. To return to normal, press this button again. *Note: Teletext-enabled model supported only.*



3. Mute

To mute the audio output

Press this button, the audio out will be muted. To cancel, press the same button again.

4. Info

Display the current time and current program's information

Press the button to display current time, current and next program's name and their beginning time and duration. It also displays the signal strength. Press this button again to return normal.



7. ANTENNA INSTALLATION

Recommendatory Installation of UHF Antenna

- ◆ Do not install the antenna near any metallic and radio-interferential material.
- ◆ Be cautious about bend and damage of the antenna cable while installation.
- ◆ Install the antenna cable downward if possible.
- ◆ Do not bore any hole through the antenna.
- ◆ Place the two antennas as far apart as possible, preferably one at the front and one at the rear of the car.

