

THOMSON

To take maximum advantage of all the features of your satellite receiver, please read this user manual very carefully.

ASR 08 T SATELLITE RECEIVER

The package contains the following items :

- Satellite receiver
- Remote control unit
- SCART cable
- Two batteries, type R03 (AAA)
- User manual
- List of pre-programmed channels

In the unlikely event of one of these items being missing, please contact your dealer.

REMOTE CONTROL

Installing the batteries

Remove the battery compartment cover, located at the back of the remote control unit.

Insert the two 1.5-V (AAA) batteries.

Be sure to observe polarity.

For your information

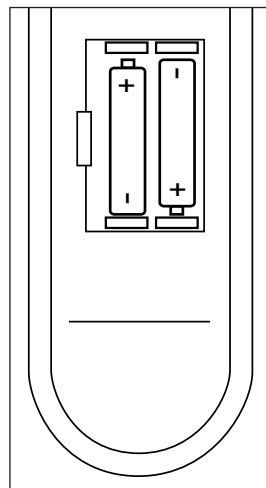
If the remote control seems to have stopped operating correctly, replace the batteries.

Warning

- Do not expose the batteries to excessive heat (sun, fire, etc.).
- Do not recharge ordinary batteries.
- Do not let children play with batteries; they may try to swallow them.
- Consult a doctor immediately if a battery has been swallowed.

Protect the environment!

- Do not dispose of used batteries via the rubbish bin.
- Place them in the containers provided for this purpose.
- Find out where such containers are located in your area.



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Important safety and operating information.

This set was designed and manufactured in accordance with international safety standards. You must nonetheless observe certain rules to guarantee optimum results and safety.

Read this user manual before attempting to put the set into service.

Ensure that all connections (including mains connection and connector cables between sets) are made according to manufacturer recommendations.

Switch off the set and disconnect the power supply plug if you wish to change the connections.

Consult your dealer if you have any doubts about the installation, operation, or safety of your set.

Do not continue to use your set if you think it is operating abnormally, or if it is damaged in any way. (Switch it off, unplug the mains lead, and consult your dealer.)

Never open your set, because this could expose you to dangerous voltages.

Do not obstruct the ventilation slots on the set, e.g. with curtains. Overheating can cause damage and reduce the working life of your set.

Do not expose the set to splashing water or dust.

Above all

Do not allow anyone (children in particular) to insert any object in the holes, slots, or other openings in the housing. This could result in a fatal electric shock.

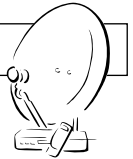
Warning

Do not use cleaning products containing ethyl alcohol.

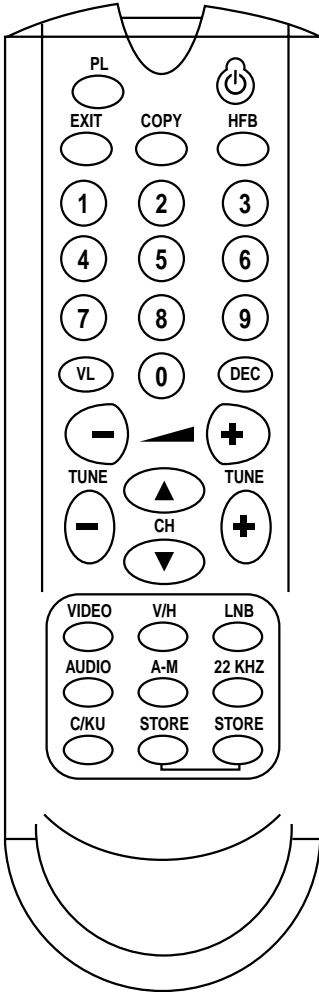
The identification label is located under the set.


















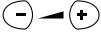


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REMOTE CONTROL UNIT



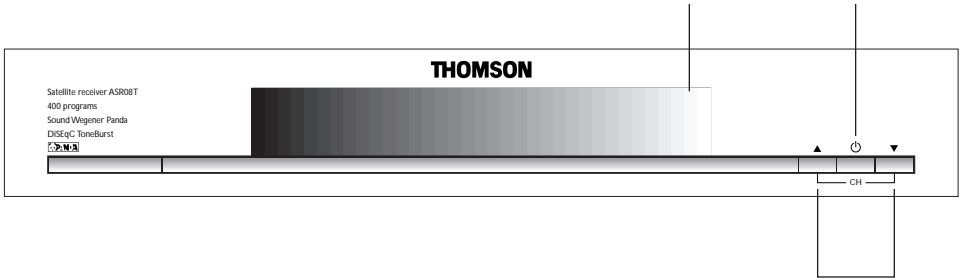
ENGLISH



-  **STANDBY key** (Switch set on using the CH ▲/CH ▼ keys, or 0 to 9)
-  **Parental lock.**
-  **Numeric keypad :**
 - Channel selection
 - Frequency entry
 - Turn on the receiver.
-  **Channel scrolling (zapping) and to turn on the receiver.**
-  **Channel scrolling (zapping) and to turn on the receiver.**
-  **To interchange two programme numbers.**
-  **Video level selection.**
-  **Decoder mode selection.**
-  **22 kHz signal On/Off.**
-  **Audio frequency display.**
-  **To exit programming mode and return to the programme display.**
-  **Band C or Ku selection.**
-  **Audio mode selection.**
-  **This key has no function.**
-  **Video frequency display.**
-  **Selection of the LNB input and DiSeqC function.**
-  **Polarisation selection.**
-  **Frequency and volume adjustment.**
-  **Memory keys (to store in memory, press the two keys together).**
-  **Audio and Video frequency adjustment.**

FRONT PANEL KEYPAD

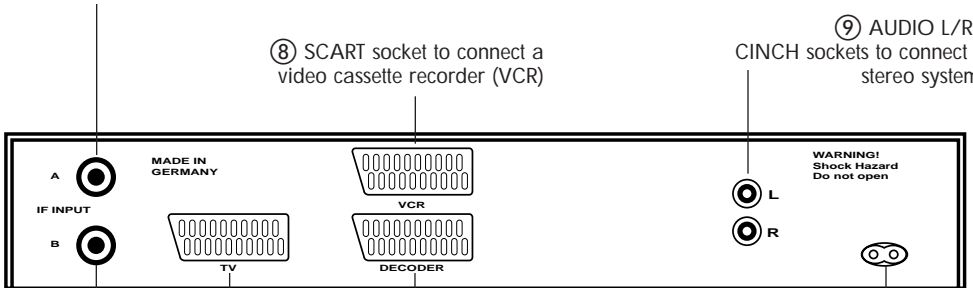
- ① Programme number display ③ On/Standby button



- ② Channel scrolling keys

REAR PANEL CONNECTIONS

- ④ IF A input - socket to connect the LNB of your satellite antenna (e.g. ASTRA)



- ⑤ IF B input - socket to connect a second LNB (e.g. EUTELSAT II - F1/HOTBIRD)

- ⑧ SCART socket to connect a video cassette recorder (VCR)

- ⑦ SCART socket to connect a decoder

- ⑨ AUDIO L/R : CINCH sockets to connect a stereo system.

- ⑥ SCART socket to connect the television set

- ⑩ Mains socket to connect the set to the ac power supply.

INSTALLATION OF SATELLITE RECEIVER

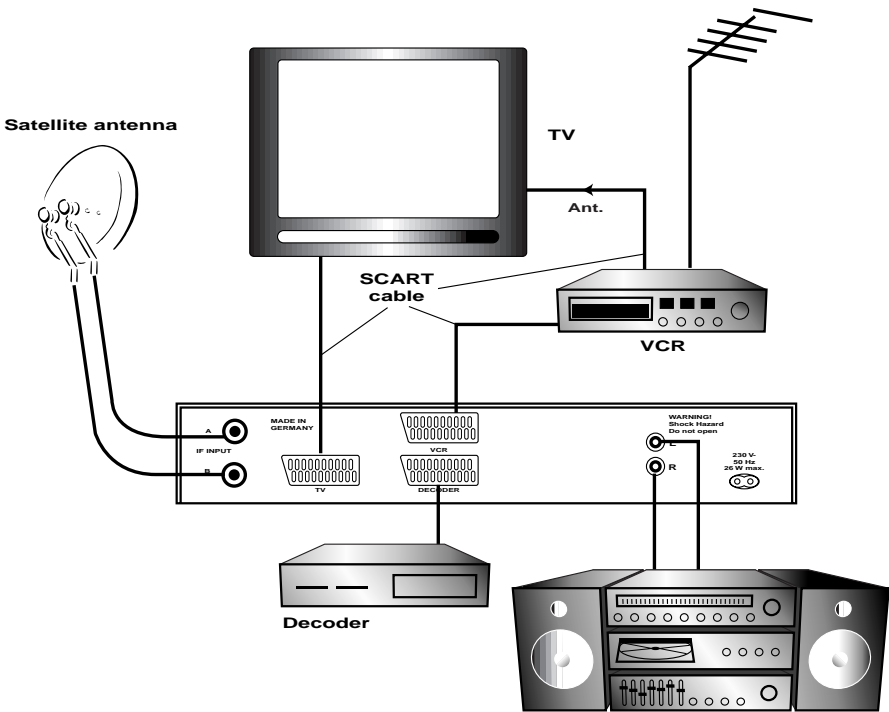


A correctly installed satellite antenna is essential for the receiver to operate. The satellite antenna coaxial cable must be long enough to reach the desired receiver site.

Install the receiver near your television set, making sure to leave ventilation space of about 15 cm to the sides and above the receiver. Do not obstruct the ventilation slots of the receiver.

You can install the receiver according to the following example :

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- **Do not yet connect** the set to the mains.
- Plug F must be correctly installed on the coaxial cable of the LNB. Remove the cable sheath, fold back the braid (ensure that the central strand of the cable does not touch the braid, to avoid a short circuit), and manually turn the plug to tighten it on the coaxial cable.

INSTALLATION OF SATELLITE RECEIVER

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- Connect the LNB coaxial cable to Socket ④ IF INPUT A.
- You can, if applicable, connect a second LNB to IF INPUT B connector ⑤. Plug F must be tightened by hand on the threading of the plug. Do not use any tools. Take care not to jam the plug.
- You can now connect your equipment to the mains power supply. To do this, connect one of the ends of the mains cable to connector ⑩ on the receiver and the other end to a mains socket.

Our description of the receiver assumes that the set has been installed according to instructions!

1. Connection to a Television Set :

- Using a SCART cable (supplied), connect the Socket ⑥ TV-SCART of your receiver to the SCART socket of your Television Set. This connection provides optimum picture and sound quality.

2. Connection to a VCR :

- Using a SCART cable (not supplied), connect the Socket ⑧ VCR-SCART of your receiver to the SCART socket of your VCR.

The equipment is operated using a cascade connection.

The video recorder images will be transmitted to the TV through the TV SCART connector ⑥ if the video recorder supplies the control voltage when it is in read mode (12V on pin 8 of the VCR SCART connector ⑧).

3. Connection to a decoder

Using a SCART cable (not supplied), connect the Socket ⑦ DECODER-SCART of your receiver to the SCART socket of your decoder.

4. Connection to a stereo system :

Your satellite receiver can be connected to a stereo system using the CINCH connectors ⑨.



On/Standby

Using set keypad:

Press the On/Standby key.

Using remote control:

Switch the receiver on by pressing one of the numeric keys (0 to 9), or on the remote control keypad.

If the set is switched on using the or keys, the last programme number active before switching off is called up, for example : " 13".

To switch the set off, press the Standby key.

The display shows : " -"

Programme Selection

Using set keypad:

Press the programme scrolling keys

Using remote control:

a) Direct selection using numeric keys 0 to 9, or

b) Channel scrolling using the or .

a) Direct selection:

For the first ten programmes, press the corresponding key briefly.

For two- or three-digit programme numbers, the number must be entered in three seconds.

For example, to select Programme 14:

- Briefly press the 1 key " -1" appears on the display.

- Press the 4 key within three seconds to display " -14".

Programme 14 is displayed on the screen.

Examples:

Enter 1	Display : -1	Programme 1	appears on screen
Enter 24	Display : -24	Programme 24	appears on screen
Enter 399	Display : 399	Programme 399	appears on screen

b) Channel scrolling using the or keys.

Press the key to select the next programme.

Press the key to select the further programme.

Volume Adjustment

You can adjust the receiver volume using the VOL + (louder) and VOL - (softer) keys. The last setting in use is stored in memory when the receiver is placed on Standby.

RECORDING SATELLITE PROGRAMMES

If your receiver is connected to a VCR, you can record satellite programmes. Paragraph 2 : Connection to a VCR in the INSTALLATION OF SATELLITE RECEIVER chapter of the present manual describes the procedure for connecting the VCR to the receiver.

Refer also to your VCR user manual.

On your satellite receiver, select the channel you wish to record, then, on the VCR, select the programme number assigned to the satellite receiver (e.g. AV) and begin recording.

To avoid recording a different programme or nothing at all, do not change satellite channel or switch off the receiver before recording is complete. You may, however, change channels on your television set. This does not affect the recording.

If you wish to record a satellite programme during your absence, select the desired channel on the receiver, and programme the recording start and stop times on your VCR.

You can leave the satellite receiver on without any problem.

PROGRAMMING A NEW CHANNEL



Your receiver is already programmed to receive the most important satellite signals. You can, however, change the programming or add new channels at any time.


To store a new channel in memory, you need the following information (found in specialist satellite TV magazines):

1. LNB selection and ToneBurst signal
2. Polarisation
3. Video frequency
4. Audio mode
5. Audio frequency

First, select the programme number you wish to assign to the new channel, and then follow the instructions.

1. Selection of LNB and of ToneBurst signal

You can connect 2 LNBs to your receiver (e.g. ASTRA and EUTELSAT II-F1 satellites). Connect the LNBs respectively to connectors ④ and ⑤ (IF INPUT A/B). In addition, your receiver can supply ToneBurst (DiSEqC) control signals. This function allows connecting 4 LNBs to your receiver. The LNBs must be connected in 2s to each of the IF INPUTs ④ and ⑤, through a ToneBurst switch.


Press the  key to display the current mode, e.g. LnA1.

Press the key again to select the further mode.

DISPLAY	LNB	ToneBurst SIGNAL	DISPLAY	LNB	ToneBurst SIGNAL
LnA1	A1	A Position	LnB1	B1	A Position
LnA2	A2	B Position	LnB2	B2	B Position

2. Polarisation Selection

To allow transmission of the greatest possible number of programmes, satellite broadcasts come in two polarisations (vertical and horizontal).


Press the  key to display the current polarisation, e.g. : " V".

Press the key again to select the other polarisation.

Display : " V" = vertical (14 V)

Display : " H" = horizontal (18 V)

3. Video Frequency Adjustment

Press the  key to display the frequency in MHz, e.g. : «1406».

The value displayed on your receiver is not the frequency of the channel; it corresponds to the difference between the channel frequency and the local oscillator frequency of your LNB.

You can enter the desired frequency directly (4 digits) via the 0-9 numeric keypad, or change the displayed value in steps of 1 MHz using the VOL + and VOL - keys.

Values outside the 700-2150 MHz band are not accepted.

PROGRAMMING A NEW CHANNEL



4. Audio mode selection


Press the  key to display the audio mode, e.g. : "Ton1".

Press several times to display all the available modes.

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DISPLAY	MODE	DE-EMPHASIS	BANDWIDTH
"Ton 1"	Stéréo	Wegener Panda	130 kHz
"Ton 2"	Mono	Wegener Panda	130 kHz
"Ton 3"	Mono	50 μ s	280 kHz
"Ton 4"	Mono	75 μ s	280 kHz
"Ton 5"	Mono	J 17	280 kHz

5. Audio Frequency Adjustment

Press the  key to display the frequency in MHz, e.g. : "A702".

You can enter the desired frequency directly (three digits) using the 0-9 numeric keypad, or change the displayed value in steps of 10 kHz using the VOL + and VOL - keys.

Values outside the 5.5-9.99 MHz band are not accepted.

Press the  key several times to display the eight pre-programmed audio modes in turn.

6.50 MHz	6.60 MHz	7.02 MHz	7.20 MHz
7.38 MHz	7.56 MHz	7.74 MHz	7.92 MHz


5. Storing in Memory

Press the two STORE keys together to store all settings in memory. The programme is displayed again.

SPECIAL FEATURES

1. Video Level

This feature lets you adjust the video level to compensate for differences in level that may exist between the various satellites.

Press the  key to display the current mode, e.g. : " HI " .


Press the key again to select the second mode.

" HI " = light image (16 MHz for ASTRA)

" LO " = dark image (25 MHz for EUTELSAT, INTELSAT, etc.)

2. C/Ku Band

This feature is used to invert the video when receiving C-band satellite transmissions.

Press the  key to select between Bands C and Ku.


CU 1 = Ku band (ASTRA, HOT BIRD, etc.)

CU 2 = C band

3. Connecting a Decoder

Decoder must be connected via SCART cable to Socket  DECODER.

Use the DEC key to select one of the five modes :

Display	Function	Output Signal 	Audio Source
d -	Canal Satellite (mono) Premiere Videocrypt	Composite video clamped	External
d 1	Canal Satellite (mono) Premiere Videocrypt	Composite video clamped	External
d 2	CANAL + stereo	Composite video clamped	Internal
d 3	D2MAC	Composite video unclamped	External
d 4		Composite video unclamped	Internal

SPECIAL FEATURES

4. 22 kHz Switching Signal


This signal can be used to control either a switching box or, for example, the LNB (high band/low band).

Press the  key briefly to display the current mode, e.g. : "22-".

Press again  to select the second mode.

"22 +" = 22 kHz switching signal in service

"22--" = 22 kHz switching signal stopped.

If you wish to exit Special Features, press the remote control  key briefly. The receiver returns to programme display, without storing the modifications in memory.

All special feature settings can be stored in memory by pressing the two STORE keys together.

Nota : For reception in High Band (TELECOM 2A and 2B), 22 kHz signal must be in service.



1. Parental Lock

Used to restrict use of the set, or access to certain programmes.

1. Locking certain programmes.

The programme can be selected, but the picture does not appear on screen.


The programming cannot be altered.

Locked programmes are indicated on the display by an L before the programme number, e.g. : "L34"


2. Locking the entire set.



The satellite receiver cannot be used until the lock is deactivated.



The display shows : "L-".

Press the  key (the display shows : "----")

then use the numeric keypad to enter one of the codes shown below.

Then confirm the code by pressing  again.

 key - enter code **6725** -  key - programme locked.

 key - enter code **6726** -  key - receiver locked.


Repeat the procedure to deactivate the lock.

To prevent deactivation of the lock by an unauthorised person, keep the user manual in a safe place.

2. Data Transfer Feature

This feature is used to interchange the programme numbers of two channels.

Example : You wish to replace the channel of Programme 1 with the channel of Programme 3.

1. Select Programme 1.
2. Press the  key briefly.
3. Select Programme 3.
4. Press the two STORE keys together.

The two programme numbers have now been interchanged.

TROUBLESHOOTING

SYMPTOM

POSSIBLE CAUSE

Display inoperative

- Mains lead incorrectly connected
- Power cut

Unable to switch set on

- Short circuit in the coaxial cable connected to the LNB

No picture

- SCART cable incorrectly connected.
- Wrong LNB selection.

No sound

- Poor adjustment of frequency or audio mode
- SCART cable incorrectly connected
- Receiver volume too low

Poor picture quality

- Satellite antenna not installed according to instructions
- Damaged cable
- Satellite antenna too small
- Excessively poor weather conditions

Remote control inoperative

- Batteries incorrectly installed
- Batteries worn
- Remote control unit not pointing towards receiver

Display : FAIL

- Short circuit in LNB or cable connected to LNB

SPECIFICATIONS

- 399 PROGRAMME NUMBERS, ALL PROGRAMMABLE
- 2 IF INPUT
- PLL FREQUENCY ADJUSTMENT SYSTEM
- 2 AUDIO BANDWIDTH
- MULTI-PURPOSE LED DISPLAY
- 3 SCART SOCKETS FOR TELEVISION SET, VCR AND DECODER
- 14 V/18 V LNB POWER SUPPLY SWITCHING

SPECIFICATIONS



RF PART

- INPUT FREQUENCY : 900-2150 MHz (IN STEPS OF 1 MHz)
- INPUT IMPEDANCE : 75 OHM
- INPUT LEVEL : -60 dBm -30 dBm
- INTERMEDIATE FREQUENCY : 479.5 MHz
- RESPONSE THRESHOLD : 6 dB

VIDEO PART

- DE-EMPHASIS : CCIR REC 405-1, 625 LINES
- FREQUENCY RESPONSE : 50 Hz - 4,0 Mhz (+1,5 dB / - 2 dB)
- OUTPUT LEVEL : 1 Vp-p TYPICAL
- PAL B/B OUTPUT : 1,0 Vp-p (DE-EMPHASIS, UNFILTERED, UNCLAMPED)
- OUTPUT SOCKET : SCART

AUDIO PART

- FREQUENCY RANGE : 5,5 - 9,99 MHz (ADJUSTABLE IN STEPS OF 10 kHz)
- MODES : MONO & STEREO
- WEGENER PANDA
- AUDIO BANDWIDTH : 130 kHz and 280 kHz
- DE-EMPHASIS : 50 μ S, 75 μ S, J17
- FREQUENCY RESPONSE : 50 Hz - 15 kHz
- OUTPUT SOCKET : SCART + CINCH

FRONT-PANEL CONTROLS

- DISPLAY : STANDBY, 4 DIGITAL LEDS, IR SENSOR
- 3 TOUCHES : ON/STANDBY, CHANNEL ▲/▼

REAR-PANEL CONNECTORS

- 2 LNB CONNECTORS : 2 TYPE F FEMALE
- 3 SCART SOCKETS (TV, VCR, and DECODER)
- MISCELLANEOUS : MAINS SOCKET

REMOTE CONTROL UNIT

- 32 KEYS WITH NUMERIC KEYPAD
- BATTERIES : 2 x 1.5 V LR 03 (INCLUDED)

MISCELLANEOUS

- POWER SUPPLY VOLTAGE : 210-250 V (ac)/50 Hz
- LNB POWER SUPPLY : (2x) 300 mA, 14 V/18 V SWITCHABLE
- DIMENSIONS : 370 (L) X 240 (D) X 70 (H) mm
- WEIGHT : 2.4 kg APPROX.