

SAMSUNG

DSR 3800 (CI) / DSR 3700 (FTA) THIS FILE IS Property of GATECO ELECTRONICS

DSR 3700 : Digital Free To Air Satellite Receiver

DSR 3800 : Digital Satellite Receiver with Dual Common Interface Slots.

Technical Specifications

SYSTEM CAPABILITY

MPEG-2 Digital & Fully DVB Compliant

TUNER PART

| | |
|-------------------|-------------------------|
| Modulation | QPSK |
| FEC | Reed Solomon + Viterbi |
| Symbol Rate | 2-45 MSys/S(SCPC/MCPC) |
| Convolution Code | 1/2, 2/3, 3/4, 5/6, 7/8 |
| Input Frequency | 950-2150MHz |
| LNB Power Control | 13V/18V, 22KHz Tone |
| DISEqC | 1.2 Supported |

DESCRAMBLER

| | |
|---|---------------------------------|
| Scrambling System | DVB Common Scrambling Algorithm |
| Embedded Conditional Access System | Viaccess(two slots) |
| Common interface | x2 |
| (Supported Module: Nagravision, Conax, Cryptoworks, Viaccess, Irdeto, Seca) | |

SOFTWARE UPDATE

Update software over the air(Astra, Hotbird, Sirius)

APPLICATION SYSTEM RESOURCES

| | |
|----------|----------------|
| Main CPU | 16bit RISC CPU |
| FLASH | 2Mbyte |
| SDRAM | 8Mbyte |

VIDEO DECODER

| | |
|----------------------------|--|
| Decompression | MPEG2: Main Profile @Main Level |
| Video Transfer Rate | Up to 15Mbit/sec |
| Picture Resolution | 720pixel x 576lines 720pixel x 480lines |
| Aspect Ratio | 4 : 3, 16 : 9 Letter Box, Pan & Scan, Mixed, Full |
| Decoding Subtitle | Supported |
| Decoding MPEG Still | Supported |
| On Screen Display Graphics | 16 bit colors |

AUDIO DECODER

| | |
|--------------------|----------------------------------|
| Decompression | MPEG 1, Layer 1,2 |
| Sampling Frequency | 32, 44.1, 48KHz |
| Operation Mode | STEREO, DUAL, MONO, JOINT STEREO |



RCA CONNECTOR

| | |
|--------|------------------|
| Output | Video, Audio L/R |
|--------|------------------|

UHF MODULATOR

| | |
|--------------|-----------------|
| Output Level | 65-75dB μ V |
| Output | CH3, CH4 |
| System | NTSC |
| Audio | MIX MONO |

SERIAL DATA INTERFACE

| | |
|--------------------|---------------------|
| Connector | 9-pin D-sub Female |
| Signal | RS232 Specification |
| Data Transfer Rate | 115.2 Kbps Max |

GENERAL FEATURE

| | |
|---|------------------|
| Full Function Infra-Red Remote Control Unit | |
| Dimension | 351 x 225 x 61mm |
| Full Tuner Loop Through | |
| Power Supply | AC 120V- |
| Voltage Frequency | 60Hz |

OTHER FEATURES

| | |
|---|--|
| 9 Favorite lists for TV and Radio each | |
| Advanced Electronic Program Guide | |
| -Autoupdate EPG -Adjustable Time Interval | |
| S-VHS(Y, C) | |
| Video Track selected for multi-video programs | |
| Timer function supported | |
| SMATV scanning in terms of frequency or symbol rate | |
| Positioner and DISEqC switch available at the same time | |
| Adjustable OSD transparency | |
| Adjustable time out for channel information | |
| NVOD programs supported | |



Digital Entertainment!

DSR 3700/3800

- MPEG2/DVB Compliant
- SCPC Program Receivable
- Multi-language (19 Language) Support OSD
- Quick Scan and Channel Change
- Easy Auto Scan for Channels over 32 Satellites at the Same Time
- Max 4000 TV and Radio Programmable



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- MPEG 2 / DVB Compliant
- SCPC / MCPC Receivable
- Multi-language (19 languages) Supports OSD (English, Germany, French, Spanish, Italian, Russian, etc.)
- Quick Scan and Channel Change
- Easy Auto Scan for Channels over 32 Satellites at the Same Time
- Max. 4000 TV and Radio Programmable
- Advanced Electronic Program Guide (EPG)
- PIP in Channel List
- Subtitle with Multi-languages
- Channel Sorting: Favorite List, providers Name, Alphabetical, Transponders
- PIP in channel Sorting and EPG
- Parental Lock
- Quick & Easy Antenna Installation (Solarsat Antenna Installation Program Embedded)



In its silver-gray cabinet it gives off a simple and elegant impression. Auxiliary control of the receiver is possible via a set of front panel buttons.
Slim and Digital Look (W × D × H): 351 × 225 × 61mm

Front Panel



1. Power Key
2. Auxiliary Control key
3. 7 Segment Display
4. Dual CI CAM Slot
5. Infrared Sensor

Rear Panel



- | | |
|---------------------|----------------|
| 1. AC Mains | 6. AV Out |
| 2. Dish Input | 7. S-Video Out |
| 3. Loop | 8. ANT. In |
| 4. 0/12V Out | 9. RF Out |
| 5. RS 232 Data Port | |

Software Features



Channel Sorting: Favorites List, Provider name, Alphabetical, Transponder

In the Samsung Set-Top Box, it is possible to select channels through the following ways selected by the user: Favorites List, Alphabetical, Provider name, and Transponder.
Favorites List: Channel Lists by user's favorite channels. (it supports 9 Favorites Lists.)
Alphabetical List: Channel Lists by Alphabet order (A→Z)
Provider name: Channel Lists by Program Provider name.
Transponder: Channel Lists by frequency.

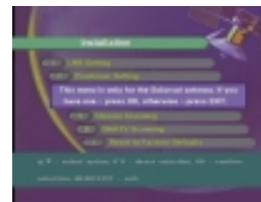


Advanced Electronic Program Guide

EPG is the function where the user can easily look up program lists by * days before and after the present. EPG of a Samsung Set-Top Box provides easier and more convenient program list services, because it uses 8 Direct buttons (Hot Keys) of the remote control.

Hot Key Function

- Green Key: View lists by going back 1 day at a time up until 1 week ago.
- Yellow Key: View lists by going forward 1 day at a time until next week.
- 1: View lists by 90 minute blocks.
- 2: View lists by 60 minute blocks.
- 3: View lists by 30 minute blocks.
- 4: View lists by 15 minute blocks.



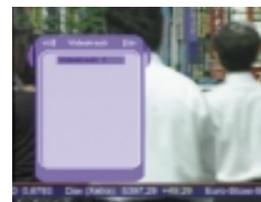
Quick and Easy Antenna Installation Program

The Samsung Digital Receiver has been distinguished from other competitors because of the embedded the SolarSAT Program. Through the SolarSAT program and antenna along with the Samsung digital satellite receiver, the Installer and end-user can install satellite systems easier and faster than before, saving both time & money.



It supports 2 languages in Subtitle and Audio Sound.

The Samsung Set-Top Box supports 2 languages for Subtitles and Audio Sound. The set-top box conveniently sets your language preferences automatically between French and English.



Video Track Selection Function

Users can select the video tracks when several are transmitted from the broadcasting station. This convenience allows users to enjoy the visuals they want to see through fluid camera selection.

Remote Control



The ergonomically laid out buttons on the easy-to-handle remote control make using it a piece of cake. You won't have to worry about using any unnecessary finger acrobatics here.