

I . General

1. Produce Type Name

Produce Type Number	DVB - T
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2. Main Features

STB Type	DTR5100
Main Chipset	MSTAR 7828
Mechanical	4F CASE
Func/Interface	SCART(TV)/ SCART(VCR)/ Digital Audio Coaxial output/ Loop Out/ ANT input (75Ω)/ RCA/YPBPR/HDMI, CVBS, RCA, HDMI

3. Special Features

Heatsinking	Yes, Shell outside
Encrypt	No
Video Modulator	No
TUNER Type	on board Design
f4ed	Embed to Main Chip Set
Power Supply	Input 100V ~ 240V 50/60Hz

4. Notice

RoHS	Need
Certification	CE Authentication by CCS

II. Software Features

1. Software General Features (DVB-T)

MPEG2	MPEG1, MPEG2 (MP@ML) , MPEG4 ASP@ L5 HD, (DIVX3.0-6.0)HD, H.264 HD 1080P
PAN/NTSC	Automatic PAL/NTSC conversion
Channels Number	950 channels TV and Radio programmable
Favorites	8 different favorite groups selection

OSD Language	English German French Portuguese Spanish Italian Danish Swedish CZECH HUNGARIAN
EPG	Fully support to 7 days Electronic Program Guide(EPG)
Picture	JPEG BMP PNG support,Flesh tone extension,Black/White extension
OSD color	4/8/16-bit OSD with anti-flickering
Channel Search	Channel search in automatic, manual and network search
Channel Edit	Various channel editing function(favorite,move,lock,skip,delete,rename,find,sort)
Parental Ctrl	Parental control for channels
Easy Menu	Plug and Play installation, with an ease to use Menu System
SoftUpgrade	Software upgrades through USB/Cardreader
Time Set	Time set by GMT offset automatic and manual,Summer Time support
Timer	5 event timers,off/Once/Daily/Weekly/Monthly Mode
Subtitle	Subtitle support
Teletext	VBI insertion for Teletext,CC and WSS
Save Channel	Automatic save for last channel
LCN	Support Logic Channel Number(LCN)
Act-Ana Ctrl	Active Antenna Power supply control
D. A. B	Support D. A. B(Digital Audio Broadcast)

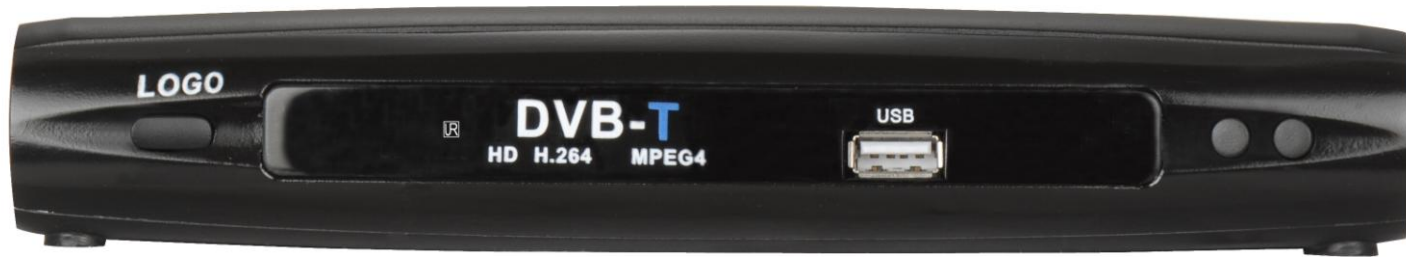
III. Hardware Features

1. Back panel



Output Interface	SCART cables connected to VCR set , SCART cables connected to TV set, Digital audio outputwith coaxial, HDMI ,RCA,CVBS, Ypbpr, Loop Out/ANT INPUT

2. Front panel



LED Indicator	RED:Power On /Green: There are signals
Display Color	Red or Green
Button	power
IR	38KHz

3. STB Assembly

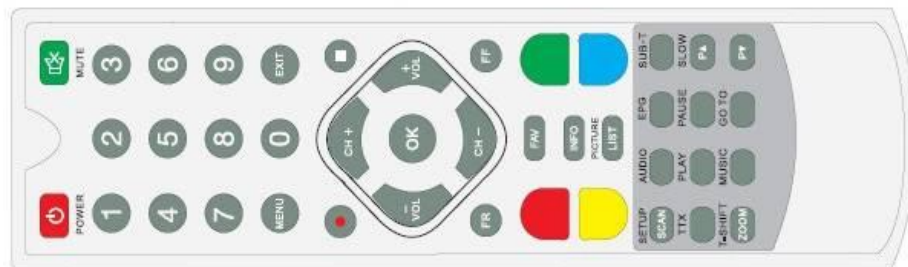


USB2.0

PVR

JPG, BMP, MP3, ACC /MP3 WMA/MPEG1-2-4 AVI,

4. Remoter



Remote distance	Less than 8 m / angle of 90 degrees
Battery Type	2 x 1.5V AAA

5. Mechanical

Mechanical Type	1F plastic front panel and mantel case
Dimension	L: 196mm, W: 128mm, H: 40mm
Net Weight	kg

6. Packing

Type	Egg Shell, 20 PCS per Box for C mantel
Outline Size	L: 430 mm, W: 270 mm, H: 380 mm
Shipping Info	? sets/20' container, ? sets/20' container

7. Accessories

Battery	2 x 1.5V AAA
User manual	Color cover/black white Print Manual

IV. Electric Performance

1. Main Chip Sets

CPU frequency	32-bit 216MHZ RISC CPU, memory clock 800MHZ
Flash Memory	32MB Serial Flash
DDR Memory	512MB DDR800 RAM
Demodulator IC	MSB1220

2. DVB-T Tuner

Tuner Type	MXL5007T
Input Frequency Range	VHF:174~230MHz; UHF:470~862MHz;
Input Impedance	75 Ω
Active Ant Power	5VDC @ 400mA MAX, Overload Protection
Input Signal Level	. -75~-20dBm

3. DVB-T Channel Decoder

Waveform	COFDM (Code Orthogonal Frequency Division Multiplexing)
Bandwidth	6、7、8MHz
Demodulation	QPSK, 16QAM, 64QAM
FFT SIZE	2K、8K
Code Rate	1/2、2/3、3/4、5/6、7/8
Guard Intervals	1/4、1/8、1/16、1/32

4. USB Decode

HDD Format	FAT16.FAT32 or NTFS, press OK to confirm, or Cancel to cancel, EXIT to quit.
File system	1 USB2.0 Port, USB media player to playback the media in USB flash disk or USB HDD or USB card reader with memory card.
Record Selection	Use LEFT/ RIGHT button to change the setting. Press EXIT to cancel and quit.
Software Updates	Software upgrade by USB device
USB2.0 High Speed HOST	DVR with USB HDD, Time shifting with USB HDD

5. Multimedia support format

movie	MPEG1、MPEG2、MPEG4、H264、Motion JPEG (.avi、.mpg、.dat、.vob、.div、.mov、.mkv、.mjpeg、.ts、.trp)
music	mp3, wma, ACC (WMA, MP3, W4A)
photo	JPEG, PNG , BMP

6. Video Decode

Video Decode	MPEG1, MPEG2 (MP@ML) , MPEG4 ASP@ L5 HD, (DIVX3.0-6.0)HD, H.264 HD 1080P
Aspect Ratio	Auto, 16:9 Pillar box, 4:3 Pan & Scan, 4:3 Letter Box.
Video Resolution	PAL 720×576 @ 25 Hz; NTSC 720X480 @ 30 Hz:, 1080i, 1080p@30

7. Audio Decode

Audio Decode	MPEG-1, MPEG2 (LayerI & II), AC-3, E-AC-3, AAC, HE-AAC LEVEL2&4, MP3
Sound Mode	Stereo, Left, Right
Sampling Frequency	32KHz、44.1KHz、48KHz

8. AV Output

Video Bandwidth	5.5MHz(-3dB)
Video Impedance	75 Ω
Video Voltage Level	1.0 V _{p-p}
Audio Freq. Range	20~20KHz
Audio Impedance	600 Ω
Audio Voltage Level	2V rms(5.6V _{p-p})

9. Environment

Input Voltage	AC 110~240V, 50Hz
Consumption	< 12 W / \leq 1 W Standby
Temperature	0°C to +42°C
Humidity	<95%