

STB905

Android + DTV Hybrid Set-Top Box



STB905 Hybrid Android tuner STBs, with iMOD IPTV gateway and Modulator, which support multiple IP streaming sources and multi-standard RF output for combined IPTV and DTV viewing. For sites already running IPTV such as hotels, it can expand live CATV channels using existing coax wiring. It fits protocol conversion, stream distribution and small-medium CATV headend applications.

Applied to Hybrid Android Box, IPTV gateway and Modulator with Digital Tuner IPTV+DTV terminal scenarios.

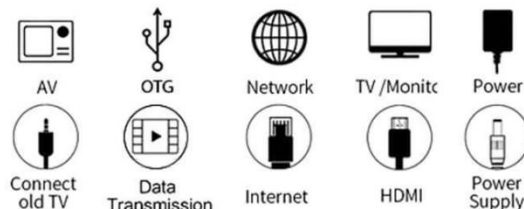
Features

- Android + DTV Hybrid Set-Top Box
- Integrated DTV tuner, supports DVB-T2 / DVB-T / DVB-C
- Android 9.0 Operating System
- CPU: Amlogic S905L Quad core ARM Cortex-A53 CPU up to 1.5GHz (DVFS)
- GPU: Penta-core ARM Mali-450 GPU up to 750MHz+ (DFS)
- Supports HDR10 and HLG HDR processing
- Built-in Ethernet, Wi-Fi and HD-MI 2.0 output
- DDRIII 2GB (Optional 4GB), EMMC Flash 16GB (Optional 32GB)
- Three models optional: **STB905S, STB905 Pro, STB905 Max** with different CPU and memory configurations

Key Advantages & Benefits

1. Dual signal path combining DTV broadcast and Android IP streaming; DTV service stays available during internet outages.
2. All-in-one terminal replaces standalone DTV receiver and Android box to cut CAPEX & OPEX.
3. Combines traditional live broadcast with OTT, VOD and hotel portal services for higher revenue.
4. DTV tuner enables low-latency, stable video free from network packet jitter.
5. Compatible with iMOD platform for interactive services across DTV live and IPTV streams.

Hybrid BOX 4K



TECHNICAL SPECIFICATIONS

System

CPU	Amlogic S905L Quad core ARM Cortex-A53 CPU up to 1.5GHz (DVFS)
GPU	Penta-core ARM Mali-450 GPU up to 750MHz+ (DFS)
Operating System	Android 9 OS
Processing	HDR10 and HLG HDR processing
RAM	DDRIII 2GB (Optional 4GB)
EMMC Flash	16GB (32GB)
WiFi	2.4G/5G 802.11 b/g /n
Bluetooth	V4.1
HDMI	With CEC, HDR and HDCP 2.2, 4Kx2K@30fps max
RF	RF IN* RF LOOP*1
TF Card	TF cards (up to 32GB)*1
USB HOST	2High speed USB 2.0, support USB DISK and USB HDD*4
Ethernet	Ethernet:10/100M, standard RJ-45*1
AV	AV CVBS AR AL output
IR	IR Infra Remote control
LED Indicator	Red LED Standby, Blue LED Run

DVB-T/T2 Demodulation

DVB_T2 System standard	ETSI EN 302 755
Support	MPLP
Demodulation	QPSK, 16QAM, 64QAM or 256QAM
Forward error correction rate	1/2, 2/3, 3/4, 3/5, 5/6
Guard interval	1/4, 19/256; 1/8, 19/128; 1/16, 1/32, 1/128
Bandwidth	6/7/8MHz
Input Frange range	54--860MHz
Input Impedance	75
Input Signal levl	-84 dBm to 0 dBm (average power)

DVB-C Demodulation

Receiving Frequency	UHF 470~862MHz
Bandwith	8MHz
Demodulation	16QAM, 32QAM, 64QAM, 128QAM, 256QAM
Symbol rate	0.87-9Msps
DVB-C Standard	ETSI EN 300 429 v1.2.1 (DVB-C)

Video Decoding

VP9 Profile-2 up to 4Kx2K@30fps
 H.265 HEVC MP-10@L5.1 up to 4Kx2K@30fps
 H.264 AVC HP@L5.1 up to 4Kx2K@30fps
 H.264 MVC up to 1080P @60fps
 MPEG-4 ASP@L5 up to 1080P@60fps (ISO-14496)
 WMV/VC-1 SP/MP/AP up to 1080P@60fps
 AVS-P16(AVS+) /AVS-P2 JiZhun Profile up to 1080P@60fps
 MPEG-2 MP/HL up to 1080P@60fps (ISO-13818)
 MPEG-1 MP/HL up to 1080P@60fps (ISO-11172)
 RealVideo 8/9/10 up to 1080P@60fps

Audio Decoding

Low power MediaCPU with DSP audio processing
 Supports MP3, AAC, WMA, RM, FLAC, Ogg and programmable with 7.1/5.1 down-mixing
 Built-in stereo audio DAC

Application

Browse all video websites ,support Netflix ,Hulu ,Flixster , youtube etc
 Apps download freely form android market ,amazon appstore etc
 Local Media playback, support HDD, U disc ,SD card
 Picture JPEG, PNG, BMP, GIF, JPG
 Language Chinese , English ,Germany ,Japanese, Korea etc. 24 languages
 KODI Support KODI 17.1
 Remote Support Infra Remote control

PACKAGE INCLUDING

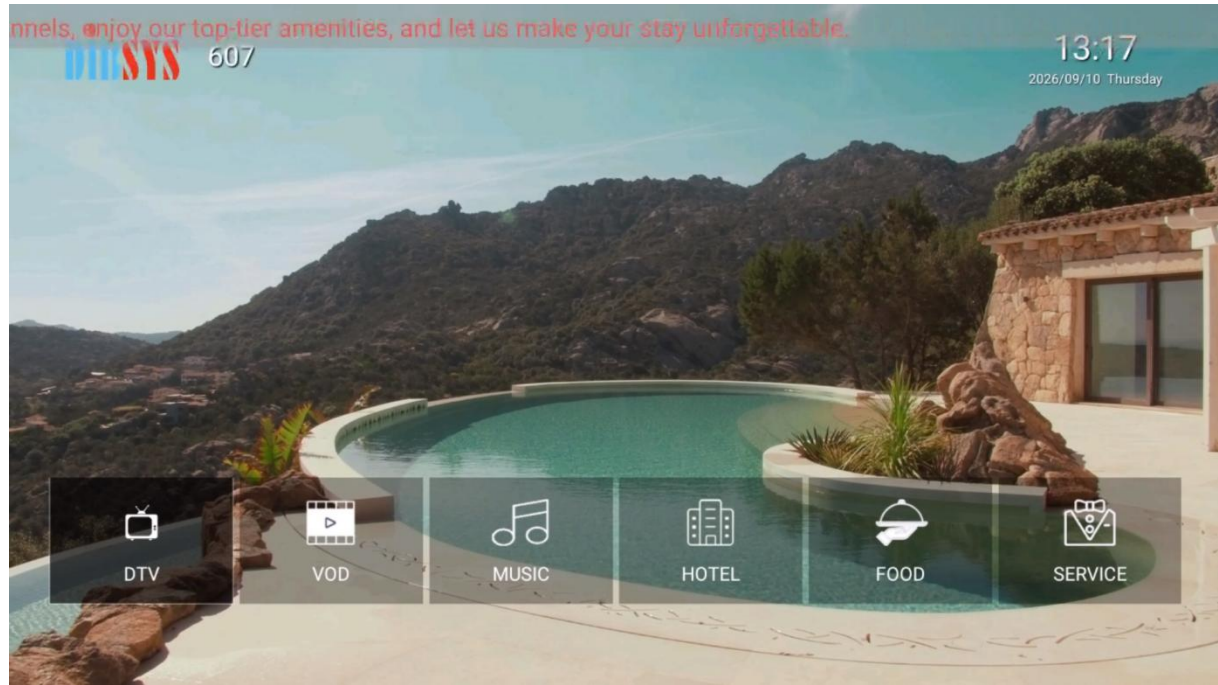
STB905 TV Box
 HDMI cable
 User manual
 IR Remote
 Power charger adapter 12V1A

Ordering Information

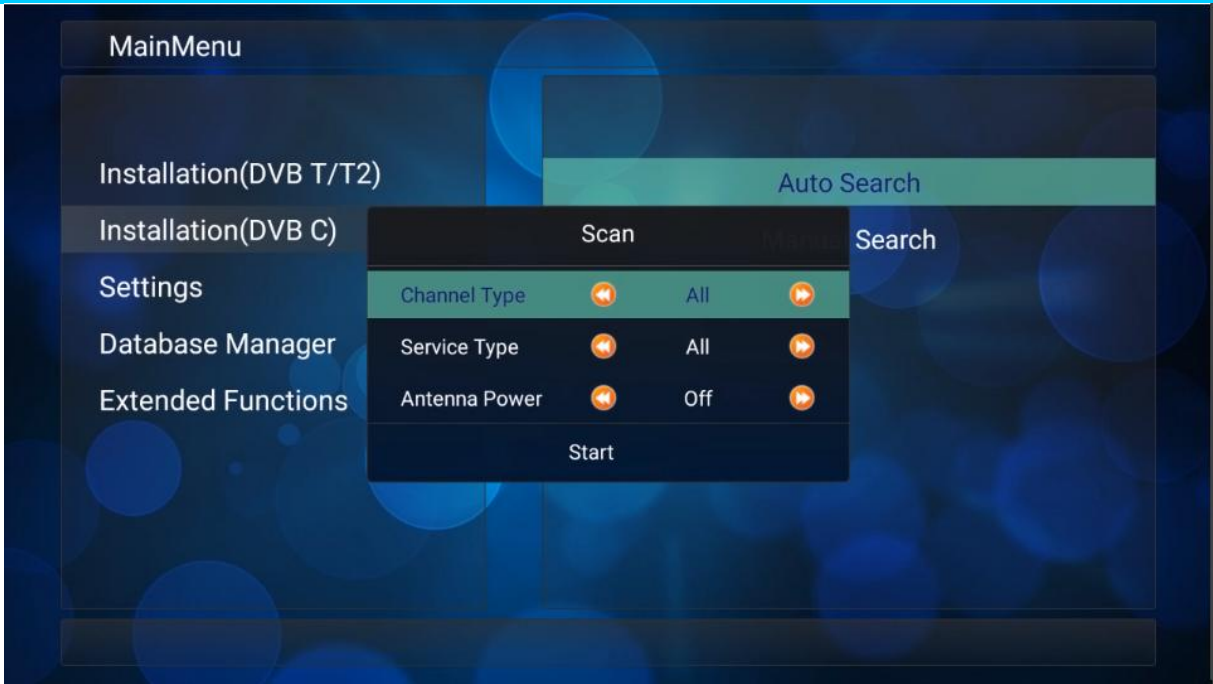
Model	Details
STB905S	CPU: S905L, RAM+ROM: 2GB+16GB
STB905 Pro	CPU: S905LA3, RAM+ROM: 2GB+16GB / 4GB+32GB optional
STB905 Max	CPU: S905X3, RAM+ROM: 2GB+16GB / 4GB+32GB optional

Note: STB905 Pro and STB905 Max are available with two memory configurations.

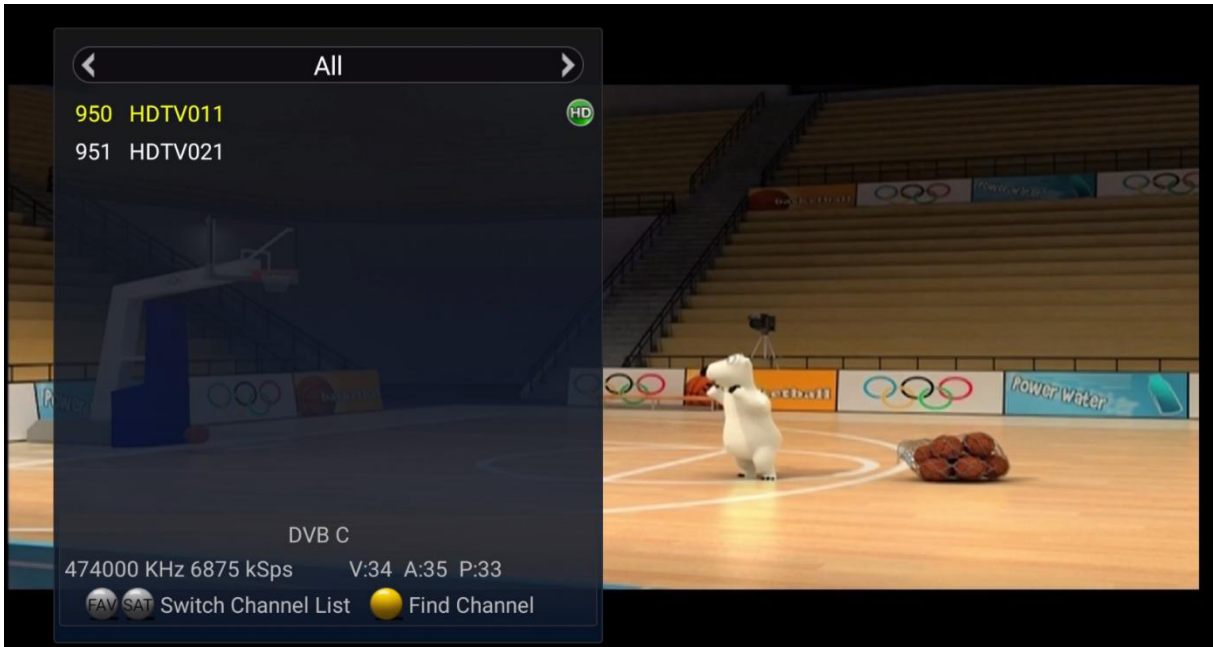
DTV and IPTV work simultaneously



IPTV main interface, DTV entry integrated inside IPTV menu



DTV channel scanning interface



DTV live channel list after scan finished