

# SPB TV HOME

## TV-Box – Small and Powerful

SPB TV Home is a TV-box that generates a personal TV viewing experience at home. It offers a splendid graphical UI and impressive performance incorporated into a very small and affordable device that you can stick on the back of your TV-set. The box features a powerful 64-bit ARM Quad Core processor and 450 GPU with 4K hardware decoding support, as well as Ethernet port and Wi-Fi+Bluetooth connectivity.

## Multi-Screen

Personal profiles can be automatically recognized and loaded when a user approaches the TV-set connected to SPB TV Home carrying his or her mobile device. Then he or she can simply swipe the content viewed on a smartphone or a tablet to the TV-screen.

## Voice Over IP Client

A VoIP client is natively integrated in the interface of the box ensuring smooth and genuine user experience. Users can make and receive calls, and send messages through the remote or wireless headset.

## Exclusive Remote for Personal Viewing

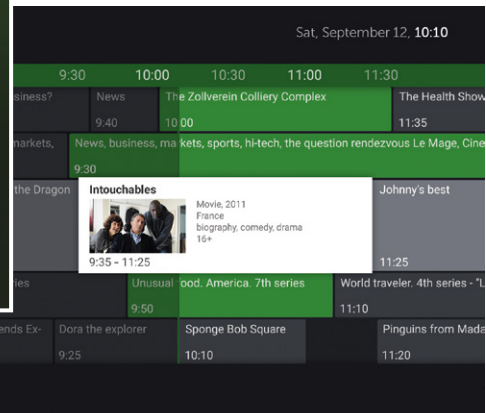
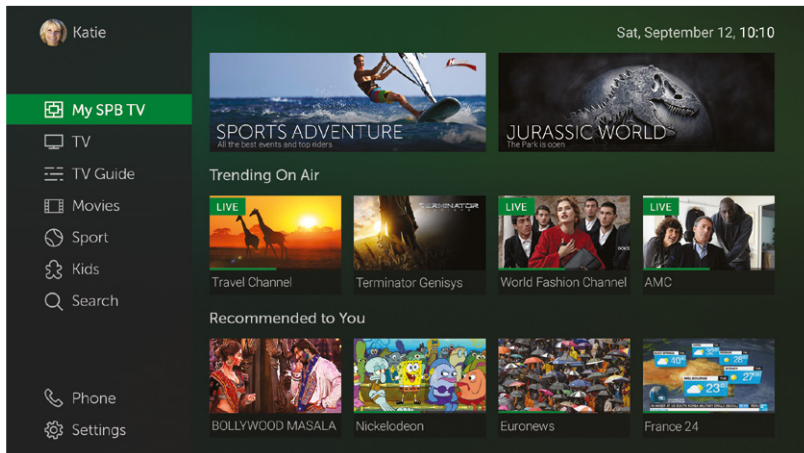
SPB TV Home comes with an exclusively designed Bluetooth LE enabled remote (RCU). Along with general TV functions, it features a customizable notification system and hardware profile buttons. With SPB TV Home, each family member gets a personal profile accessible with one press of a button.

## Easy Content Browsing with Magic Wheel

SPB TV Home provides a genuine and smooth TV viewing experience with easy channel browsing and switching. The touch «magic» wheel is based on a capacity sensor and allows you to run through an extensive content collection in a blink of an eye.

## Ready for the Smart Home

SPB TV Home is IoT ready. It supports Bluetooth 4 Low-Energy for the advanced connectivity with other elements of the system, like lightning and energy management, home security systems, medical and healthcare wearables and others.





## SPB TV Home – NextGen Set-Top Box

Ready to market SPB TV Home solution is fully integrated with SPB TV Rosing and includes a TV-box with nano-box form-factor and an exclusively designed remote control unit. SPB TV Home leverages all of Genie's capabilities on a big screen with the best possible cost/performance ratio. SPB TV hardware comes with a compelling and easily customizable user interface powered by Genie UI engine.

- ARM Quad Core 64-bit multimedia-optimized System on Chip (SoC) with the support of 4K and Full HD H.264/H.265 (HEVC) hardware decoding;
- Penta Core Mali 450 GPU provides attractive and smooth user experience (UX) with 2D/3D Open GL accelerated interface;
- High quality Wi-Fi 802.11n Broadcom hardware solution ensures smooth UHD and HD content playback;
- Bluetooth LE enabled Remote Control Unit (RCU) is specifically designed for SPB TV Home solution. Along with the general TV functions, it features customizable notification system and hardware profile buttons;
- Unique own SPB TV Player provides user with channel switching time less than 0,5 second;
- Powerful hardware enables the most advanced features like simultaneous video streams delivery (up to 8 live video streams, optional feature);
- SPB TV Home supports certified DRM-systems for reliable content protection;
- The small size of the box allows to stick it on the back side of the TV-set;
- SPB TV Home remote allows to control the basic features of the TV-sets, regardless of their brands;
- The remote's touch wheel is based on capacity sensor and can be easily calibrated with accordance to the particular user requirements;
- Rich connectivity options make SPB TV Home suitable for IoT era.

## SPB TV GENIE

SPB TV Genie is a unique Open GL based framework that allows for developing high-performance future-proof interfaces for smartphones, tablets, PCs, Smart TVs, set-top boxes, game consoles, or any other TV-enabled devices in the shortest possible time. This breakthrough cross-platform toolset has been developed in native code and allows the fast creation of client applications that leverage all the hardware capabilities of the platform:

- 2D/3D acceleration (OpenGL/DirectFB)
- Hardware decoding of video streams

Thanks to this technology, SPB TV's applications guarantee a more rapid processing of user actions in comparison with interfaces implemented using HTML5, Qt and Java technologies.

Genie is fully integrated with popular designer tools (3ds Max). Optimized for media formats, it allows graphics teams to customize interfaces without any need for developers. This helps to reduce customization time dramatically, as well as provide customers with a unique, personal touch.