

MIDDLEWARE



Basic menu

Very fast, clear and easy to navigate.



Single EPG

Offers simple look at channel line-up. Single EPG offers simple look at channel program list and basic data.



Multi EPG

Provides program guide data for all TV channels shows channels list and programs timeline and program info.



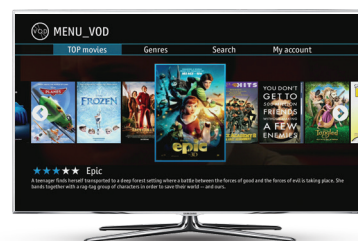
Archive by genres (Catch-Up TV)

World unique way to access catch-up TV content. All programs are automatically sorted in „VOD style“ UI for easy access.



Archive program player

Enables control of archive program feature which allows users to pause, rewind, forward and also basic program data, like total time, name, image preview.



VoD

Complete VOD GUI supported by Antik VOD Server Solution. Choose a movie from the database or search some new in your favorite category. Watch trailers, movie description or rank the movie.



Mosaic

Mosaic UI gives end-user chance to watch dozens of channels at once and decide for the favorite one. Delivered by Antik *Mosaic generator* - low-cost mosaic encoder engine.



Timeshifting

The user can pause, rewind, forward, stop and play TV program anytime without recording request.



PiP

Allows you to watch TV channel and another video source, while one of it will be in the main screen and the other in the PiP screen. Location of PiP screen is adjustable by end-user.



Channel editor

Change order of the channel, set parental lock, individual adjustment of sound level and language.



Audio tracks and Subtitles

Choose language of the channel from the offered options or turn on subtitles in proper language just with one button.



Multimedia center

Connect STB with PC or USB key and create multimedia center based on DLNA technology. Watch photos, listen to music and watch videos.

The power of Antik Set-Top Box



Advertisement delivery client

Increase revenues by broadcasting marketing messages during peak viewing hours - in graphical layer over any channel the user is watching!



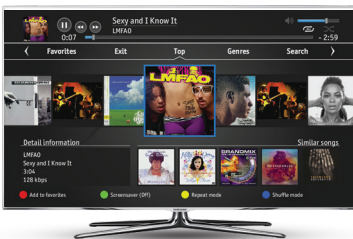
Fully customizable skins

Based on your visual identity we can adapt the GUI to your corporate visual language.



PVR

Choose program from EPG and record it on HDD or USB in set-top box. Make your own video library and watch your favorite movie whenever you want.



Music on Demand

Audio fun for everyone. Playlists, shuffle, huge variety of content access.



WiFi interface

Plug Antik TV Home Connector (see p. 58) into Antik STB and connect it without cables.



DVB-T/T2/S2/C interface

Integrated channels from DVB-T IPTV and OTT channels into single list. All tuning features supported.



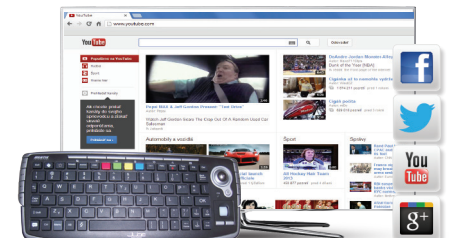
Weather

Access to predefined cities weather forecast up to 7 days.



TV Anywhere

Your linear TV channels are available everywhere with internet connection restreamed from Antik STB.



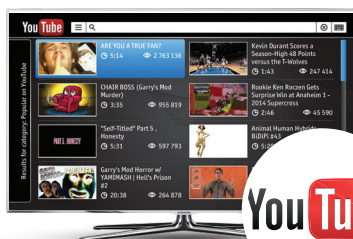
Wireless Keyboard and Internet Browser

Easy operation for your SmartTV applications. Browsing web pages will be fast with embedded trackball. Browse the internet directly on TV.



HbbTV

Access to the online part of the channels, browse their interactive web pages and another bonus content.



YouTube

Easy to navigate, adapted to TV screen. Full access to YouTube movie content.



Apps Market

Customize your IPTV product with easy to implement 3rd party content - events, shopping, traffic, etc...

Basic Services

Basic Menu is offering easy to learn interface, where user can choose from various actions, which are offered by the set-top box like Live TV, Radios, EPG, Archive, DVR, Mediacenter, VoD, web browser, games and many more.



Use left / right arrows on remote control to navigate through Menu.



Electronical program guide provide users of television with continuously updated menus displaying broadcast programming or scheduling information for current and upcoming programming. User can choose between vertical horizontal and multi-channel EPG.



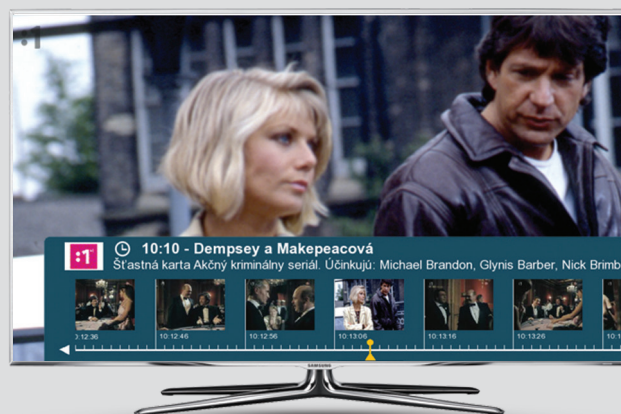
Other general features like teletext multiple, audio tracks, language selection and subtitles.

TV Archive (Catch-Up TV)



Through Antik Archive, subscribers can access recorded programs without having to go through the hassle of having to schedule the recording themselves in advance. On the Archive service, the subscriber can see all recent programs through a menu.

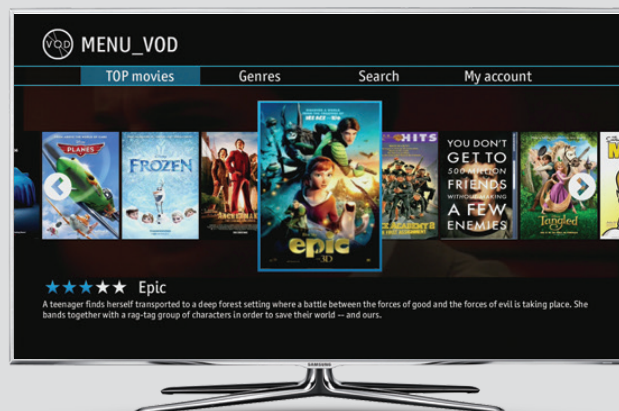
In many countries broadcasters do not start movies at time given by EPG. Antik gives end-user chance to set correct movie begin and share this info with other users. This feature is globally unique and available in Antik only.



To operate TV archive you need to obtain Antik Archive Server SW license which will be installed on standard, fast storage server. Scalable architecture allows to operate with increasing number of users. Clustering support with online balancer for high loads. High availability and performance is ensured using Antik KeyRider security mechanism. Archive size and channel count depend on and channels count depending on your storage possibilities only. Easy configuration by XML format. Archive is interconnected with EPG, which is forwarded from the IMS.

Instant movie play, rewind, pause, subtitles and other functions without internal storage requirement. Movies are transformed to special HLS format using Antik VoD content encoder. Movie is then uploaded to storage cluster. Thanks to Antik VoD Streamer working with HLS format, VOD is stable on lower quality networks, too.

- Search by the title, year, actor, genre and others
- Rate the movies or choose the movie with the highest rating amongst your network
- Filter by date, name, rating
- Virtual keyboard controlled by remote control or IPTV Multimedia keyboard
- Movie description and movie trailer
- Import and export interface to your billing system- Keyrider scrambling integrated to protect your content
- Different payment models (pay-per-view, prepaid, postpaid, pay-per-minute, free content...)
- Module is connected to your billing system



A digital video recorder (DVR), sometimes referred to by the merchandising term personal video recorder (PVR), is a consumer electronics device or application software that records video in a digital format to a disk drive, USB flash drive or other local or networked mass storage device.



- Record scheduling based on EPG or exact time and date
- Integrated in EPG UI
- List of the recorded programs
- Possibilities of editing the name of recorded program (Save As "...")
- Option of earlier start and later end of recording of the program
- Disc info about free space, capacity and option to format disk
- Instant recording with red button
- User friendly interface

Multimedia center

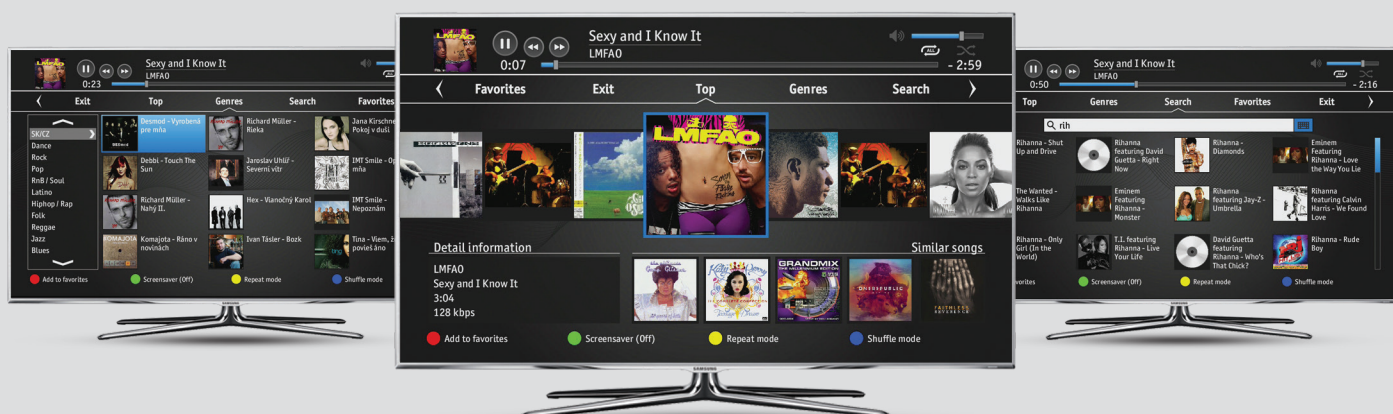


User can plug his external memory drive, whether it is USB or external HDD and play his multimedia files. The offer of user's data is easily accessible from the basic menu, where customer will get into his folders and files of music, videos, pictures etc.

Antik set-top box can be connected also with home network through the DLNA technology. User can setup his own home media center, where he can connect PC, Laptop and Smartphones through the DLNA client. Then all media files like videos, photos, music, to which user give access, will be able to run also on user's TV.

Application is supporting multimedia content in various formats like: **avi, H264, Xvid, Mov, VOP, mkv, Mpeg 1,2, TS, mp4, txt, sub, srt** subtitles and multiple audio tracks are supported.

Music portal / Music on demand



Great looking user interface to search, sort and play audio content.

Internet browser



Browsing the internet is available also on customers TV thanks to our set-top boxes with integrated web browser. Easy launch of the browser straight from the TV menu and many options how to browse the internet, whether it will be with our wireless IPTV keyboard, virtual keyboard or customers own accessories. Popular internet services like YouTube, Facebook, Twitter, Google, etc. are within easy reach.

Multiscreen middleware



LiveTV, Archive, EPG features and remote control of the box in our **Android, iOS, Win8 apps** is supported by multiscreen API. All to create entertainment experience whenever your clients live and work.

New ANTIK Middleware

Revolutional content centric GUI from ANTIK. All latest trends in user experience research and up-sell/crosssell development are present in new ANTIK Middleware after 12 months of hard work. Top visual design, coded to be fast for rendering on all new Antik boxes and perfect pricing, all will be included in new ANTIK Middleware to be deployed in 2015.

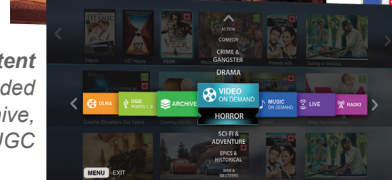
Key features

- Fast and up-to-date design
- Single view on media sources – linear, VOD, catchup, user generated content
- Dynamic mosaic integrated into channel selection
- Deep media recommendation integration with x-sell opportunities

Quick Channel Change



Media Content
Recommended
content from Archive,
PVR, VOD, UGC



Actual Channel EPG

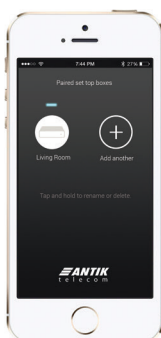


EPG

All features supported

- LiveTV of all sources (IP, DVB, OTT)
- EPG (vertical, horizontal, multi, mosaic)
- VOD
- PVR
- Archive (catch-up TV)
- Mediaplayer (local, network)
- Media Portal
- Music on Demand
- Messaging
- Advertising
- Internet browser

Control your TV from Mobile/Tablet





Main Menu



EPG - vertikál



EPG - horizontal



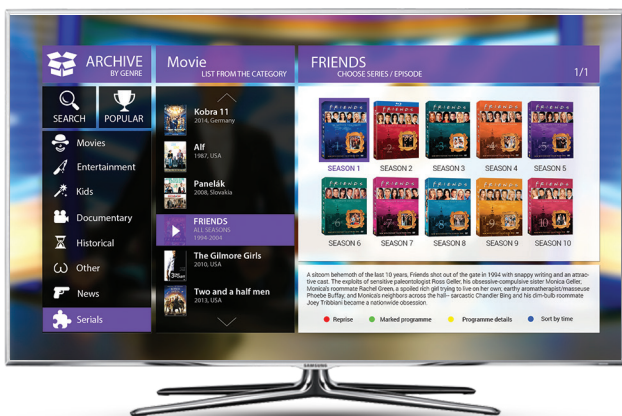
VOD



Content Approach



Archive Content Selection



Archive by Genre



TOP Content Mosaic



VOD



Fast Channel Change



Channel Editor



Medioplayer



Advertising Placement example



Weather