

# BitSend

...a bit smarter

## NEW THINKING - MEDIAREPACK- THE LIMITLESS HEADEND!

### SMATV - CATV - IPTV - HOTEL TV - DIGITAL SIGNAGE

**MEDIAREPACK IS AMAZING, A UNIQUE SOFTWARE DEFINED HEADEND, CREATED TO OFFER LOW COST AND OUTSTANDING PERFORMANCE, FOR TODAY AND TOMORROW!**

#### THE MEDIAREPACK CONCEPT

By its Software design MediaRepack (MRP) HeadEnd opens for much more possibilities, not at least for the future as MRP Software suite runs on Linux 64 bit OS and standard PC Hardware. By this combination MRP have the best base for Long Term Evolution, in functions and performance. This is an important advantage for MRP compared with Traditional short lived Hardware designs. Also today's FPGA based equipments are programmed by software, but it is still very restricted due to its tailor-made hardware costume!

An MRP HeadEnd can appear in different shapes for different needs, an All-In-One compact solution or a 19" Modular, normally this depends on connected network size. This makes it perfect for any application, from a small Hotel to a Metropolitan HFC network, but also a Digital Signage Source for any streamed content.

#### OUTSTANDING PERFORMANCE

One standard 19" MRP chassis can handle up to 52 DVB inputs and undefined numbers of IP sources. It manages to outputs content at amazing 1 Gbit/s, this similar to about 200 SD or 60 HDTV channels. If a project exceeds those figures just add one or more MRPs. All units are commonly handled with the MRP-Client software at site or via Internet. If MRP Server detects Internet access it will connect back to BitSend hosted Master Server over encrypted tunnel. Installer can then log into BitSend website, each MRP HeadEnd will be accessible

for real time monitoring, checking System Log or make changes to configuration. Also e-mail/SMS notifications could be configured to inform about e.g. signal loss, CAM access problems, etc. Configuring the MRP system is easy, anything from defining Inputs with Source names to setting up DVB Muxes. Without installers concern the MRP DVB-Processor sets up the otherwise complicated parameters for Remuxing, NIT with LCN, EIT, etc. When activating the configuration DVB/NorDig compliant MPTSs are created ready to be assigned to MRP Internal or IP-Edge Modulators.

#### A RELIABLE PLATFORM

Another advantage by the use of standard PC hardware is its rapid development in performance with obtained backward compatibility. With the huge numbers of manufactures available, MRP system components are cherry picked giving unbeatable flexibility and optimal price/performance. Further, to maximizing uptime and minimizing energy consumption each MRP are equipped with a Solid State Drive (SSD) instead of mechanical Hard disk.

So, to make the investment safe MediaRepack is over time upgradeable to new levels of performance, in both Software and Hardware. Traditional equipment will require complete replacement at a certain time due to hardware limitations. Instead MediaRepack will keep growing as its tasks do!

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*Forget about expensive system changes  
with BitSend's new MRP.*



# BITSEND - MEDIAREPACK, QUICK FACTS

<b>CAPACITY:</b>	~200 SD- or ~60 HD channels per MRP unit.
<b>ADMIN:</b>	MRP-Client software (Windows, Linux, OSX) locally or Internet.
<b>INPUTS:</b>	DVB, up to 52 tuners S/S2/T/T2/C/ C2. IP- SPTS/MPTS.
<b>ENCODER INPUT:</b>	HDMI / SDI / Analog and Audio --> MPEG2/4(H.264) SD/HD over SPTS or to Remuxer.
<b>STRACKING:</b>	Several MRP's can connected together for unlimited output, still administrated commonly.
<b>DESCRAMBLING:</b>	<b>NEW!</b> MTD - Multi Transponder Decryption... "Any Channel to any CI-Slot"
<b>EIT (EPG):</b>	MRP EPG-Harvester, fetches EPG sources and re-generates it to fit outputed TV Programes
<b>OUTPUT IP:</b>	Multicast or Unicast SPTS, MPTS.
<b>OUTPUT DVB:</b>	MRP Internal Modulator and/or External "IP-Edge" equipment
<b>REMUXER:</b>	DVB/NorDig-Compliant with PID-Remap, PCR-Restamp, EIT-Insertion, LCN and NIT-Generator

## ACCESSORIES

### CI SLOTS



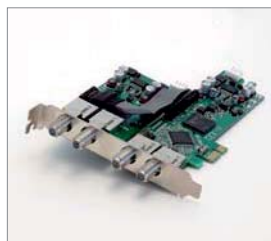
SUPPORTS ANY CI STANDARD.

### ENCODER INPUT



MAKE YOUR OWN SD/HD TV-CHANNELS FROM HDMI/SDI/ COMPO-NENT/CVBS INPUT.

### INPUTS



- DVB-S/S2
- DVB-T/T2
- DVB-C/C2
- ASI
- IP SPTS/MPTS
- OTHERS, ASK!

### OUTPUTS



- DVB-C/T (T2/C2)
- DVB-S/S2
- ASI
- IP SPTS/MPTS
- PAL/SECAM
- OTHERS, ASK!

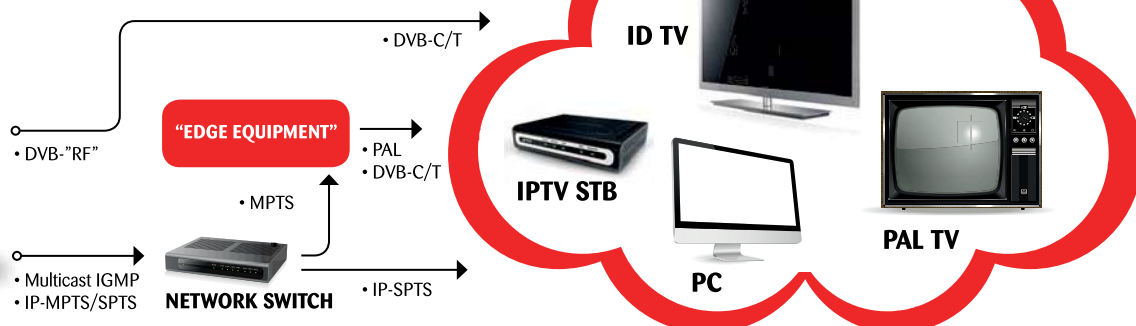
### SYSTEM SOFTWARE



MRP FUNCTIONS AND CAPACITY ARE HANDLED BY A LICENSE-KEY FILE STORED ON AN INTERNAL USB HARDWARE LOCK.

### INPUTS

- DVB-S/S2
- DVB-T/T2
- DVB-C
- ASI
- HDMI/SDI
- IP-SPTS/MPTS
- OTHERS, ASK!



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