

## For Immediate Release

### WooshCom® Announces NULL Packet Filter for bandwidth optimization

**Denver, Colorado – February 10<sup>th</sup>, 2011** – WooshCom® Corporation, a small innovative company having a big impact on the Cable TV industry, today announced a very unique product intended to alleviate bandwidth issues with MPEG video in headends and on fiber interconnects between facilities.

WooshCom's MPA-1212, a one-of-a-kind miniature MPEG NULL Packet Filter, will remove unnecessary MPEG Null packets which are being flooded onto ASI interconnects within a headend by Satellite receivers. Once present, these packets can continue to unnecessarily consume bandwidth as they propagating outside the headend onto gigabit Ethernet fiber interconnects.

Many Single Program Transport Stream (SPTS) satellite receivers embed the desired video program in a deluge of MPEG-2 Null packets. "Typical numbers we are seeing are a 4Mbps standard definition (SD) video stream being embedded in a 54 Mbps torrent of data, but on some receivers this deluge is as high as 155 Mbps. It is like trying to drink from a fire hydrant." said Mr. Marler, WooshCom's CTO and Founder.

If the MPEG stream from SPTS receivers is immediately converted to IP data and is fed onto a LAN or a fiber network, the UDP/IP packets from that point on can permanently clog up the network. These streams that are short on payload and high on null packets unnecessarily increase the load on all the networking equipment of all downstream networks, which can artificially inflate fiber link capacity requirements. If the fiber is being leased, the operator may be buying more capacity than necessary.

In a typical cable TV headend the stream is sent straight to a modulator, an MPEG-2 remultiplexer or onto an IP data network perhaps for fiber distribution. Today's generation of MPEG headend equipment is CPU based and hence they cannot distinguish between an MPEG NULL packet and an MPEG Information packet without executing those software routines designed to do that. "This needlessly consumes CPU processing power on these expensive devices taking that power away from the more significant functions that the devices were purchased to perform like multiplexing, rate shaping or rate capping." says Mr. Marler.

Some re-multiplexers & transcoders have limits on their ingest-rates in the 450 to 600 Mbps range that cannot be exceeded without bringing down the services. "While this may sound like a large number, it is quickly exceeded if it is fed by SD video streams, each of which is embedded in 54Mbps. Just 9 to 11 such feeds will cause these ingest rates to be exceeded and customer services to be interrupted." says Mr. Marler.

WooshCom's MPA-1212 Null packet filter has proprietary algorithms which automatically remove unnecessary NULL packets thereby yielding a constant bit rate transport stream even if the video content is variable bit rate in nature. The MPA-1212 is DVB-ASI based with one input, one loop-thru output, and two mirrored filtered outputs and hence additionally performs the function of an ASI distribution amplifier.

The miniature form factor allows the MPA-1212 to be placed directly behind the offending receiver without taking up any rack space. More information can be seen at [www.WooshCom.com](http://www.WooshCom.com), where a data sheet may be requested.



**WooshCom's MPA-1212**

### **About WooshCom®**

WooshCom® Corporation provides innovative products to make the management and manipulation of MPEG transport streams flexible and seamless. WooshCom® has been supplying such solutions to the cable television industry since 2002. WooshCom®, a privately held firm, is headquartered in Denver, Colorado, and can be found on the web at [www.WooshCom.com](http://www.WooshCom.com).

Contact: Bruce Marler; Office: 303-697-1577 x: 5  
PublicRelations@WooshCom.com