

# Radio World

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## USER REPORT

# Cluster Monitors With Goldeneagle HD

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**GREENVILLE, S.C.** Purchasing the Audemat-Aztec Goldeneagle HD is like going to a new car lot, first finding the basic car you like and then deciding on what extras you want. The Goldeneagle HD comes in several “models.” It can be configured with just FM; just AM; or both FM and AM. It measures both analog and HD in any of these models.

Other options to consider are the nifty spectrum analyzer built into the unit, and how complex you make the IP-2 control and monitoring system. There are additional add-ons including RS-232, DTMF and relay options. Audemat-Aztec has put forward thinking into the system by providing additional slots in the unit whereby the IP-2 can be expanded by installing additional cards for control, monitoring or both.

When we received the Goldeneagle HD, the question was where to install it. We could see the benefits of having it at a transmitter site where it also could serve as a backup remote control using the built-in IP-2 system, or we could install it at the studio and monitor all of our five FM sites.

We decided on the studio site for a couple of reasons. It would be close at hand to allow us to go directly to the unit and use the spectrum analyzer, which was an option we had installed, and we also could hook it up to our internal LAN for easy access using the Goldeneagle client program. We found that by using

the client program, we could monitor and take measurements of our sites and those of our competitors in the market without having to get up from the desk.

The Goldeneagle HD is different from what we have known in the past when it comes to monitoring our stations. There was a time when the modulation monitor you bought was forever as you received it. It never changed or evolved. The Goldeneagle HD is different; it evolves to higher levels with software upgrades.

With the present 1.3 version of software, new features allow you to determine what spectrum mask to overlay on the spectrum display. No matter what level of HD is running, it can handle that all the way up when we are all-digital. You can still monitor the analog on the spectrum analyzer with no mask, so even though the Goldeneagle has “HD” in its name, straight analog is not forgotten.

The modulation bargraph monitor is great. On one screen you select what frequency you want to monitor, and then by selecting the modulation monitor you can see on one screen the total composite modulation, pilot injection, RDS

injection, analog left and right, left plus right and left minus right. In addition the HD left and right levels also are displayed. That’s a lot of information you can view on one page.

We are going to have our audio processors and analog delay at the studio, and I can use the Goldeneagle HD to exactly time align the analog and HD signals. What’s next for our Goldeneagle HD? Instead of having it on our internal LAN, I am going to switch it over to our WAN. That way, I can wake up in the middle of the night, pull out my laptop and look at all of the signals. Second, I hope to hook up the IP2 for internal studio controls especially to reset some of our servers, and of course from the comfort of my bed.

For more information, including pricing, contact Audemat-Aztec in Miami at (305) 249-3110 or visit [www.audemat-aztec.com](http://www.audemat-aztec.com).



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