
# Economic and Convenient Solutions for *NARROW BAND MIGRATION*

DPS Electronics is pleased to provide economical and convenient solutions for End of Train and Head of Train narrowband migration.*

The **DPS 520 HTR – Head of Train Radio and DPS 521 ETR – End of Train Radio** will extend the life of newer fleets of ETDs and HTDs. These drop-in radios use existing mounting hardware and cabling connectors, with no modifications required and are totally compatible with the old Wabtec HTDs and ETDs in form, fit and function.

* The FCC has established a **January 1, 2013 deadline** for migration to 12.5 KHz technology. Additional information is available at the following websites:
http://www.apcointl.com/frequency/documents/NarrowbandOrder.html
http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-04-292A1.pdf


**DPS 520 HTR**

The **DPS 520 Head of Train Radio** is designed to drop directly into the Wabtec **LCU-05 and LCU-08,** to upgrade the units to 12.5 kHz bandwidth. The DPS 520 HTR is competitively priced and very easy to install. It has proven to be a remarkably reliable unit thanks to its efficient and rugged design. Over 3000 of these radios are in reliable service at a Class I railroad with less than 1.5% having need for repair or replacement in over 2 years. This transceiver has a fully synthesized ten watt transmitter and all software adjustable settings.


**DPS 521 ETR**

The **DPS 521 End of Train Radio** is designed to drop directly into the Wabtec **EOT-07, EOT-09 and NG-ATX**, to upgrade the units to 12.5 kHz bandwidth. The outer chassis is rugged and waterproof – which fully protects the inner case against hostile environmental exposures. Waterproof testing included submerging the radio in 27 inches of water for 24 hours with no leaks. The transceiver has a fully synthesized and software tunable ten watt transmitter, just like that in the DPS 520 HTR.

**Common Features to both Radios:**

- Narrow band 12.5 kHz bandwidth transmit and receive
- Contains 12.5 kHz I.F. band pass filter (3 dB noise bandwidth advantage)
- Ten watts of transmit output power (6dB power advantage at eight watts)
- ISP - In System Programming - no need to disassemble to program or adjust the radios
- Software adjusted digital potentiometers for high reliability and stability
- Receiver sensitivity (12dB SINAD): under 0.24uV
- One year warranty standard, additional warranties available

Sales and Technical Support, please contact Mike Lamb at:
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