



**PRODUCT INFORMATION SHEET**

**Component** Broadcast Quality Audio Processor

**Part Number** HQ5.2

**Description** The HQ5.2 Broadcast Quality Audio Processor has been certified by the FCC to operate in tandem with the TR6000 (TIS/HAR) Transmitter to effect an increase in broadcast audio quality. The processor replaces the TR6000's audio filter and increases the audio bandwidth of the broadcast from 3000 to 5000 Hz, adding compression and limiting functions. The result is a brighter, louder and more intelligible reception that often can be monitored at a greater distance.

This professional audio processor meets National Radio Systems Committee (NRSC) mandated transmission standards for AM broadcasting within the United States. It incorporates tight peak control and adaptive pre-emphasis. The HQ5.2 meets new FCC audio filtering standards for expanded bandwidth Travelers Information Radio Stations (TIS). Certified by FCC on 2-18-2016 for exclusive use with the TR6000 Transmitter from Information Station Specialists.

- Front Panel Menu with jog-wheel setup
- Performs AGC, 3-band compression, Peak Control and Output Filtering. Has user adjustments for compression, EQ, limiting and program density.
- DSP limiting offers tight peak control without clipping
- USB connector enables fast firmware updates in the field
- Distortion: less than 0.02% THD (Proof mode)
- Noise: better than 72dB below the limited ceiling level measured through the appropriate de-emphasis network.
- Program Lines: Input – Active-balanced XLR analog, -20dBu+20dBu; Output – Active-balanced XLR analog, -15dBu+12dBu
- Latency: 3.5 ms – 4.5 ms
- Power requirement: 12VDC at 200 ma with power supply provided.
- Size and weight: 1.6" "H x 5.5"W x 5.5"D (1U); 4 lbs.
- Rack Space Required: 1RU (1/3 space)

*All products described are subject to availability based on manufacturing capacity and shipping dates. While every effort has been made to ensure the accuracy of all information, ISS does not accept liability for any errors or omissions and reserves the right to change information as needed. These specifications may be changed without notice.*

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