



T100 VOICESTAR SERIES

PORTABLE HIGHWAY ADVISORY RADIO

CATALOG NO: AMS302050 I0



GENERAL SPECIFICATIONS

The on-board HAR station comes equipped with an AM transmitter, digital message player and quick-erect antenna system. Specific frequencies within the FCC-licensed 530 kHz to 1700 kHz AM band may be ordered to spec or determined by analysis. Standard vehicle radios typically receive the signals within 3-5 mile radius range (25-75 square miles). The HAR's digital message player stores 1,000 high quality messages for re-broadcast without degradation. Messages may be quickly changed as conditions change, and there is live broadcast ability as well as optional automatic NDAA all hazard alerts.

FEATURES

- FCC Licensed
- Solar Powered
- Energy Efficient
- Digital Audio Recorder
- Low Power Consumption
- Adjustable Solar Assembly
- Meets FCC Rules 90.242
- HAR – 530 – 1700 kHz
- Local Recording & Playback

OPTIONS

- MP3 Audio files
- Remote Cellular Control (DTMF or Digital)
- USB Drive Message Loading
- GPS Frequency Stabilization
- NOAA National Weather Radio Alert
- IP Addressable Message Recording
- Dual Transmitter
- Dual Recorder

SERVICES

- Professional Message Recording
- Turnkey Installations
- Planning
- FCC Licensing



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* Specifications/Technology is subject to change.



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PHYSICAL / MECHANICAL

- Width | 79.5" / 2.0m
- Length | 190" / 4.8m
- GVWR NTE | 2,600 lbs.
- Axle | 3,500 lbs.
- Main Frame ¼" hardened galvanized steel
- Safety Chains Two ¼" P.C. w/ safety hooks
- Four corner-mounted stabilizing screw jacks
- Lights-Standard Highway Configuration

HAR

- Anodized aluminum monopole antenna
- 110 AC or 24 VOC (Standard)
- 220VA (Optional)

TRANSMITTER

- Class D. high efficiency output
- Compliant with FCC 90.242
- IPC-610 certified
- Synthesized frequency selection
- 530-1700 kHz AM band
- 0-10 Watt Operation
- Integral LED wattage and VU reference meters

POWER SYSTEM

- 12 VOC & 24 VDC
- Solar Primary Power Charging
- Energy Efficient Power Manager
- 220VA (Optional)

ANTENNA

- Includes quick-erect mounts and high capacity RF lightning arrestor.
- Can withstand up to 80 MPH winds with ½" ice load (black anodized to discourage icing).
- Tuned to the same frequency as the transmitter, the antenna is center-loaded, monopole constructed aluminum with a stainless steel tuning tip.
- Constructed of anodized aluminum with a stainless steel self-supporting tip

GROUNDPLANE

- Patented high flexibility design.
- 10' radius surface deployability in fewer than 5 minutes.
- The grounding system offers a full signal range to match that of fixed advisory stations.

DIGITAL AUDIO RECORDER

- 1,000 message storage
- Fifty (50) message playlists
- Three (3) audio inputs / outputs
- Remote Digital Control
- Full Remote Control
- Remote Security
- Rack Mounted Slim Design
- Operation modes: dial up, digital cellular, local or by operator's two-way transceiver.
- Excellent Audio Quality-16 bit sampling rate yielding 5.5 kHz frequency responses.
- USB MP3 transfer

tone & voice OPERATION

- DTMF
- Voice Prompt Assisted Operation with 800 naturally recorded word / phrases.
- Live audio broadcasting

GS-07F-0399L



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