DMR AIS SYSTEM INTERFACE

Mindshare DMR Gateways provide direct digital IP communication between Mindshare Console Systems and DMR Radio Systems. These gateways implement the DMR Association's Application Interface Specifications (AIS) for direct communication with DMR systems. An IP interface provides secure and cohesive system integration allowing console users full access to radio system features.

Mindshare DMR Gateways handle all AIS specifics, including voice compression and decompression (vocoding), for the console system allowing console positions to function as part of the console system in a regular fashion without requiring special modifications to communicate with the DMR Radio Systems.

BENEFITS

- Totally Digital Audio Path from Microphone to Speaker.
- No per-console licensing fee and no limit on the number of consoles allowed.
- Redundant server operation is support for mission critical scenarios.
- Server support for additional simultaneous calls is field upgradeable.
- The very latest version of the DVSI AMBE+2™ algorithm for best audio quality.
- Linux based system for ultimate reliability and up-time.
- Web interface for setup and control allowing for the easiest possible configuration.
- Industry leading pricing and value.

FEATURES

- Group Calls
- Individual Calls (Console Position <-> Subscriber)
- Emergency Alarming
- Subscriber Stun and Revive
- Call Alert (Paging Call)
- Ambient Listen
- Status Messaging
- Status Query
- Over the air aliasing (console and subscriber, system manufacturer dependent)
- GPS Location via Short Data Service and Inband PTT (system manufacturer dependent)
- ARC4, DES, AES128 and AES256 Encryption and Key Selection
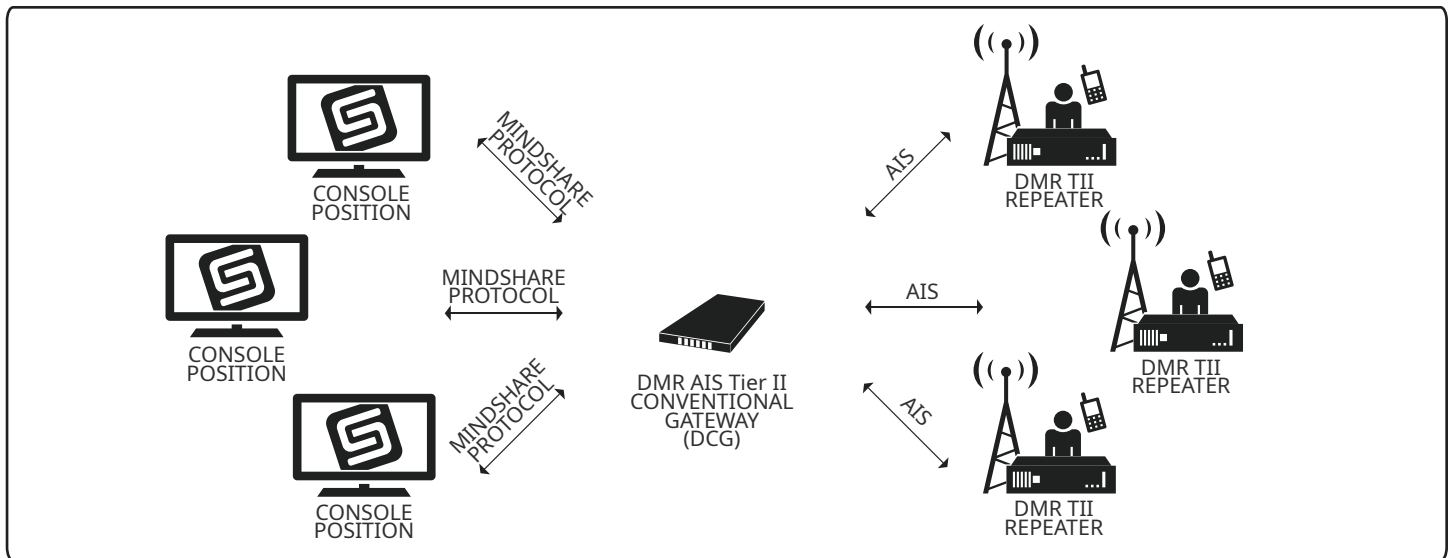- Group call termination (pre-emption)
- Native Patching*

ARCHITECTURES

Mindshare AIS Gateways are available in two forms to meet the needs of two different system topologies. The Mindshare DMR AIS Conventional Gateway (DCG) is used to interface with a DMR Tier II Conventional Radio System (CRS) while the Mindshare DMR AIS Trunking Gateway (DTG) is used to interface with a DMR Tier III Trunking Radio System (TRS).

CONVENTIONAL
A single DCG instance provides direct IP access to any number of DMR Tier II repeaters.
Exact topology will vary based on systems manufacturer's implementaion.

TRUNKING
A single DTG provides direct IP access to a single TRS.
Exact topology will vary based on systems manufacturer's implementaion.