



Dancing with the (ham) stars

Updates on Allstar and DSTAR

Recent Repeater Updates

Squaw Mountain:

- Moved Franktown DSTAR to Squaw Mountain

- Added 2M repeater

- Internet capable

- Added Allstar to 2M voice

W0CFI:

- Moved 448.675 to new site

- Added 6M repeater

Hollywood Hills

- Yaesu Fusion/Wires X repeater (TBA)



New VHF Repeater

2M Repeater:

147.165 (+600) Digital Code 223 (not inverted or N)

Allstar capable

Some improvements to receive pending

10,600 ft at base of tower, antenna ~15 up tower

Shared non-protected pair, on waiting list for coordinated pair

Link through Allstar hub not directly through repeater

Please listen for any activity on frequency and do not talk over ongoing QSOs

Link Allstar via hub using PRA webpage, avoid high volume nodes like CA WIN system

No hang time, kerchunk filter on, no courtesy tone so sounds like simplex



Wide Coverage DSTAR

- . 446.850 (-5 Mhz)
- . Reordinated Franktown pair to Squaw
- . ICOM DSTAR stack
- . 10,600 ft at base of tower, antenna ~100 up tower
- . Linked to PRA Mega-Reflector
- . Can steer to any other reflector directly, will relink after 15 min no activity (or relink back to XRF223B when finished).
- . Please try to avoid high use reflectors like REF001C if you have other means to access them (e.g. your own hotspot)
- . Leave a few seconds between transmissions



Also

- 6M Repeater
 - 50.5 output
 - 51.5 input
 - Tone 107.2
- At Squaw antenna at base of tower (Kreco omni-directional)
- Pair of CDM1250 mobile radios and 4 cavity duplexer



Next Up

- Jeff will discuss Allstar Basics
- Then Ray DSTAR basics



AllStar Basics

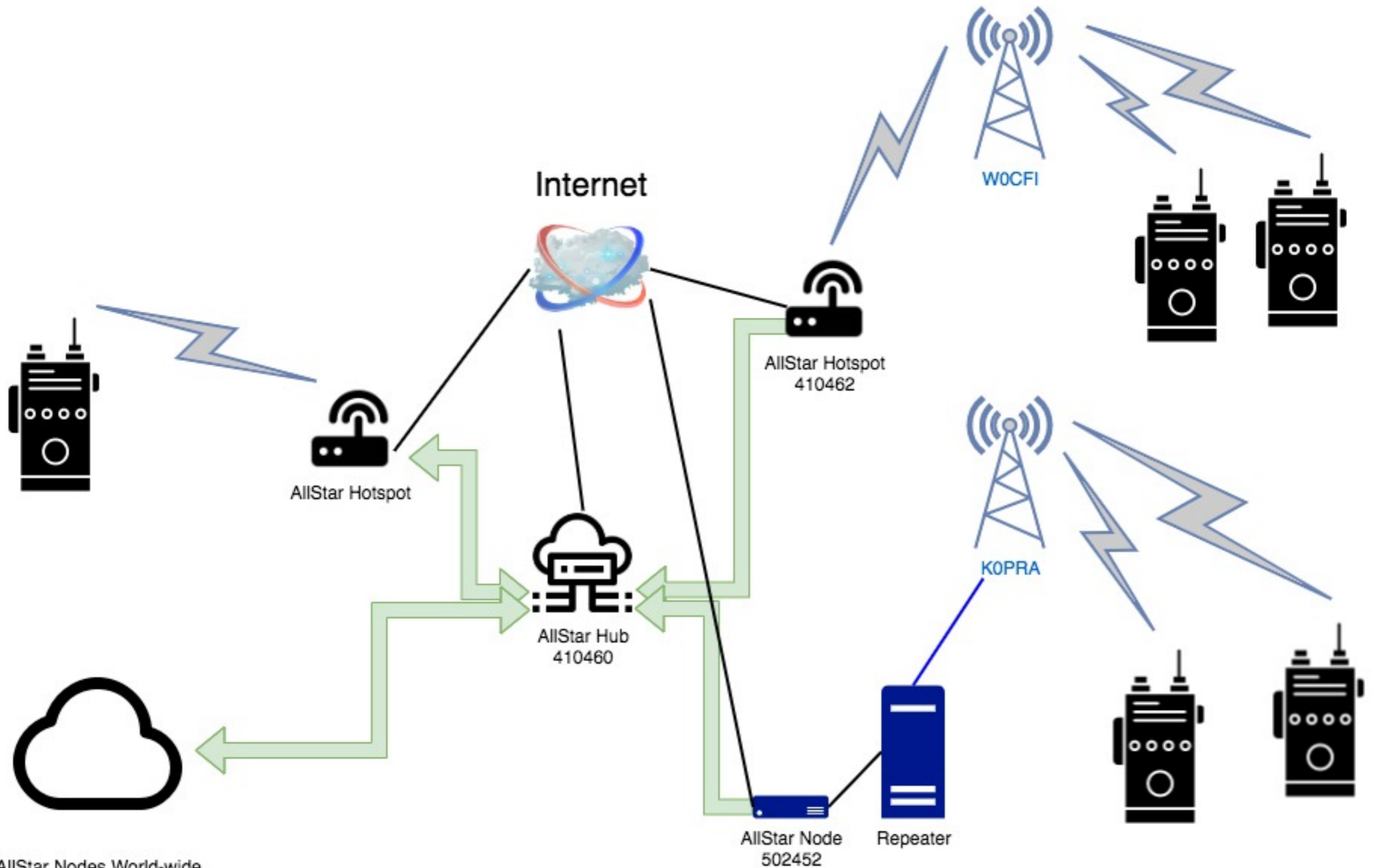
Bringing digital communications to analog repeaters

ABØL - September 15, 2020

- Uses Asterisk PBX
- Open source - many implementations
- Excellent full-duplex audio quality with choice of codecs
- Unlimited linking - every node can be a hub
- Bridge support to other systems including EchoLink
- Easy firewall setup for clients - no port forwarding!



KOPRA AllStar Connections



AllStar Nodes World-wide

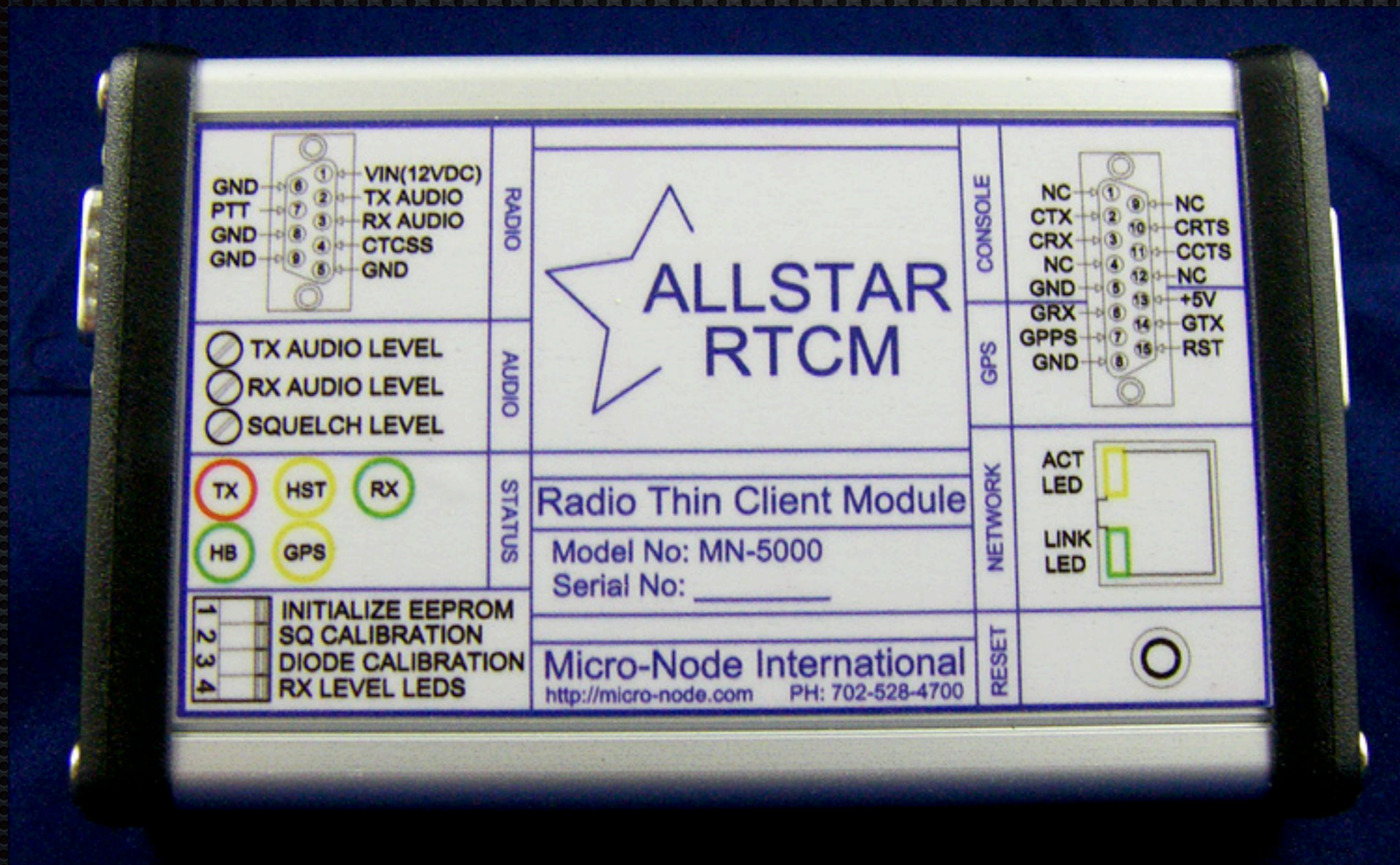
Commercial AllStar Hotspot

Nano-Node AE Allstar Portable Hotspot



Commercial AllStar Node

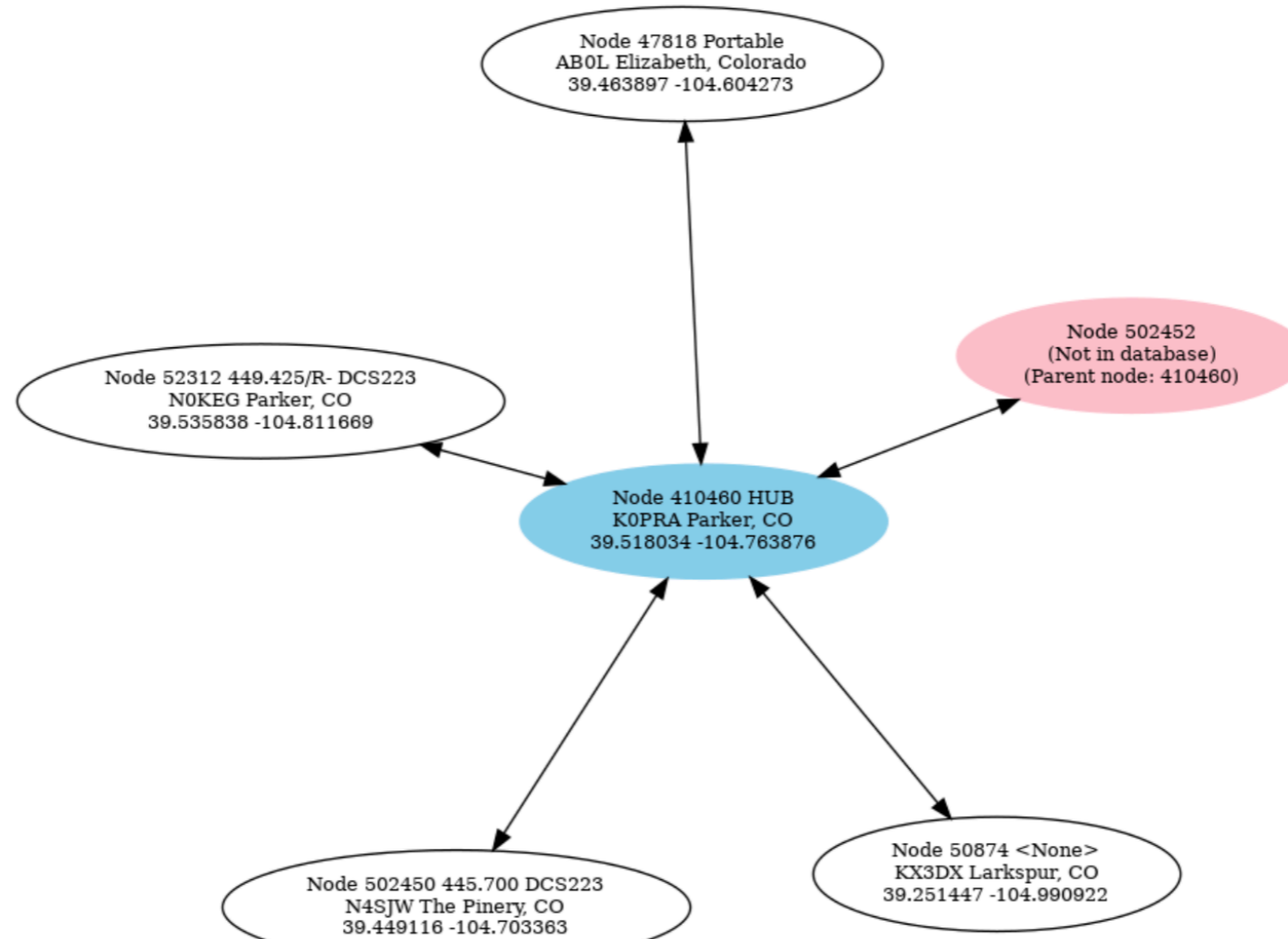
Allstar Radio Thin Client Module (RTCM)



DIY AllStar Node



PRA AllStar Hub Manager



Allstar Link [surrounding node 410460] status of 09/12/20 15:10:02 GMT

Node #

Connect Disconnect

Execute

Demo Time!