

KR4CHS D-Star Repeater

145.120 – Awendaw, SC

RadioSC Multimode Repeater / Reflector

A brief history & overview - (how did we get here)

Monday, October 21, 2024

Introductions - (who's-who in the zoo)

- Nick Gilliam – KF5CJG
- Howard Germroth – KO4PGD
- Phil Shreves – N7GZT
- Ray Mustafa – WA2NBG
- Mike Gill – N4MSG (SCETV Eng.)
- Mike White – N4OBR

History / System Config.

- The system was migrated from a stand-alone, dormant 2-meter D-Star repeater to a full-featured **multimode** repeater and reflector (145.120 / XRF517A). *D-Star, DMR, YSF (fusion), M17*
- The repeater, combiners, feedline and antenna are owned by SCHEART (*not part of the SCHEART statewide infrastructure*).
- The **D-Star** antenna (145.120) is at the **600'** mark (*own feedline and antenna*) on the same tower in Awendaw, SC as the SCHEART 146.760, 441.725 and 442.4625 (DMR repeater...also known as **Charleston North**).
- The infrastructure to enable the *multimode capability and the reflector* (XRF517A) are provided, developed and maintained by Nick Gilliam (KF5CJG), Howard Germroth (KO4PGD) and Mike White (N4OBR).

Mission

- Provide a local D-Star repeater with a link to multi-mode digital transcoding protocols.
- Maintain a Server and Network connection for hosting the XRF517 reflector (where miracle occurs).
- Provide mentoring and knowledge base to all Amateurs wishing to explore the digital modes.

Objectives

- Use the repeater – Increase usage and have FUN!!!
- D-Star familiarization
- Provide daily use and another backup resource for the Low Country region.
- Participate in D-Star and *multimode* Nets (start our own)