



MARC NEWS

MAY 2018

Meeting Notes

MARC held its monthly meeting on 12 May 2018 at Shirley's Coffee Shop in Hagåtña. Meeting started at 1130. Thank you all for the last minute change from VIP's. If you have a better location to meet, please let us know.

The meeting was quite a success. We had several demonstrations on DMR and ALLSTAR.

DMR

Shane KN4IAS demonstrated his DMR Hotspot.
The MMDVM board runs on a [Raspberry Pi OW](#).
It runs the [PI-Star Operating system](#).

Some other solutions include the [SHARK-RF openspot](#), [DV4Mini](#) and the [Nano-spot](#).

We demonstrated the use of the Brandmeister system. However the important part of the demonstration showed a solution to the spotty DMR coverage on the Island. That was done by changing the server on the DMR Hotspot to a server that Carter KH6FV has setup and linked to:

Full Time, always on
Guam (5351)
PTT GROUPS
WW Eng (13)
SouthPacific (153)
DMR-MARC North America (3)
TAC 310 (310)
TAC 311 (311)
TAC 312 (312)

This allows a user that isn't within range of the MARC DMR repeater to be able to talk to fellow hams in Guam using their Hotspots.

If you have a Hotspot and are interested in getting this setup on your hotspot please contact Shane (KN4IAS) KN4IAS@ARRL.NET

Steps to get started in DMR!

Get a Subscriber ID

All radios on ham radio DMR networks require a unique Subscriber ID, so you will need to have one assigned before you can program your radio to operate on a DMR repeater. If you intend to have more than one DMR radio active at any given time, then you should request a Subscriber ID for each radio

[Apply for a Subscriber ID](#)

Within about 24 hours, you should receive your Subscriber ID via email. Please do not transmit with your DMR radio until you have received a Subscriber ID and have this programmed into your radio.

3. Obtain a DMR Radio

Obtain a DMR radio, the programming software and cable Program your DMR radio using the DMR repeater specifications found on the [MARC Repeaters page](#).

DMR Radios that were present at the Club meeting:



[TYT MD 2017](#)

([codeplug](#) is located on MARC Website)



[TYT-MD 380](#)

Other radios present on the island:



[Radioddy GD-77](#) (dual band, Analog/Digital (tier I/II))

Youtube Video on programing the TYT MD 2017 <https://www.youtube.com/watch?v=m6h11Ryp5hU>

If you still have questions or need assistance with getting started in DMR please feel free to contact Shane KN4IAS@ARRL.NET

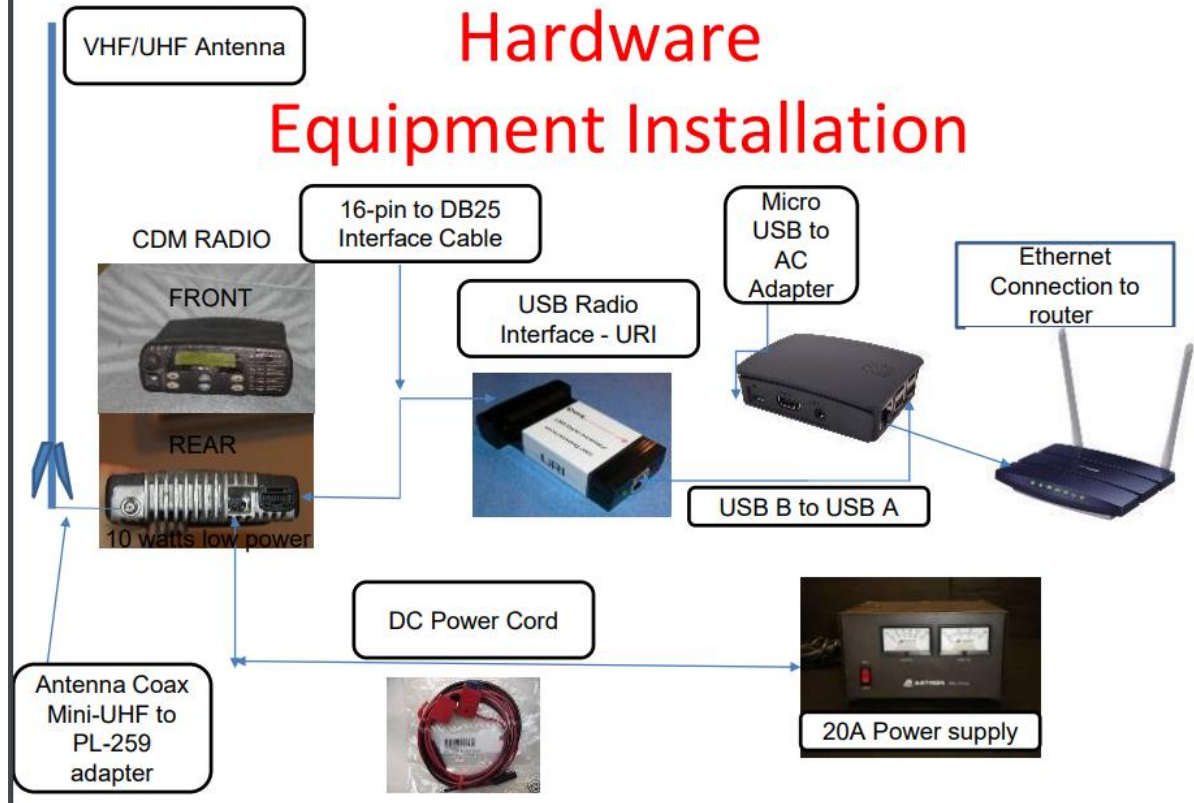
ALLSTAR

Special Guest, Dave (AH6OD), gave a wonderful presentation and even tried to do a live demo however due to complications with the internet and port forwarding...the live demo wasn't possible. However that didn't stop him from showing off the system.

[About AllStar Link Network](#)

The AllStar Link network consists of a number of large (and small) individuals and groups who wish to provide efficient large-area communications to the Amateur Radio public in their respective local areas. This is done by providing a local VHF or UHF repeater system controlled by a Linux-based computer system running the open-source Asterisk PBX telephone switch platform along with the app_rpt repeater/remote base controller/linking software module (which is included in the distribution of Asterisk) connected to a high speed Internet connection.

Typical Allstar Simplex System Hardware Equipment Installation



A raspberry pi is usually in the installation however a Linux tower can be used.

Guam currently has 4 nodes that are active. 48123,48128,48149,48150

Items required to setup your own node:

Raspberry PI 3 (or 3+)

URI- <http://www.dmkenq.com/Products.htm>

URI to Motorola cable

Motorola CDM 1250 or 1550

Meeting adjourned 2:40 PM

Personnel in attendance at the meeting:

<i>Members:</i>	<i>Guests:</i>
<i>Shane (KN4IAS)</i>	<i>Lacey</i>
<i>ED (KH2L)</i>	<i>Abigail</i>
<i>Danny (KH2JU)</i>	<i>Janet</i>
<i>Rick(KB6IDK)</i>	<i>William</i>
<i>Joel (KG6DX)</i>	<i>Dave (AH6OD)</i>
	<i>Paul (NH2LN)</i>
	<i>David (WB6CZS)</i>

NET Report

MARC will have a WED 7:00PM NET starting 6 June 2018. This will be on the 147.910- analog repeater.
We will have a trivia question as well as any new news with the club.

BOARD OF DIRECTORS

President

Cliff Ruder – NH2K

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Phil Leppke – NH2P

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Shane Callaghan – KN4IAS- KN4IAS@arrl.net

Next Meeting

June 5th 7PM at KSTO.

Also mark your calendars for a BBQ the first week in July. Bring your ideas and dates available to the June Meeting.

MARC Mission Statement

MARC is a non-profit public benefit corporation organized to promote education for persons interested in telecommunications, to disseminate information about scientific discoveries and progress in the field, and to train communicators for public service and emergency communications. MARC also encourages and sponsors experiments in electronics and promotes the highest standards of practice and ethics in the conduct of communications.

Our success is shown by a progressive increase in involved membership, by public recognition and support, by members' advancement in the technology, and by acquisition and utilization of assets.

MARC assures success by having an organization with a focus on its goals, a system of leadership development, prudent financial management, and a vision toward and dedication to public service. It supports an organized and comprehensive educational program and publicizes its activities and services to the community.

MARC Guam

www.ah2g.net

-73's Shane KN4IAS