



**Minuteman
Repeater
Association**

**The
Minuteman**



Volume 50 Special Edition July

The Minuteman Repeater Association is a non-profit organization providing communications infrastructure and volunteers for community and emergency events.

Special Edition!

Wednesday, 21 July 2021 ~ 7:30—9:30 pm

MMRA Repeater Linking, Operation, and Control Presentation

Kevin Paetzold K1KWP

Location: ZOOM — Members: login to the MMRA Webpage for the link

Could you make more effective use of the linked systems capabilities? Would you like to understand what is happening when your transmission gets into the repeater system and how it gets to the other repeaters.

This presentation will include and disclose the various control codes available to members on the “members code sheet” which is available when members log into the mmra.org website members page.

Historically, disclosure of these control codes was considered one of the benefits of MMRA membership and this information was not made available to non-members. During this presentation the control codes will be openly disclosed and demonstrated. For that reason this zoom meeting is for members only and unlike other meetings will not be open to amateurs who are not members.

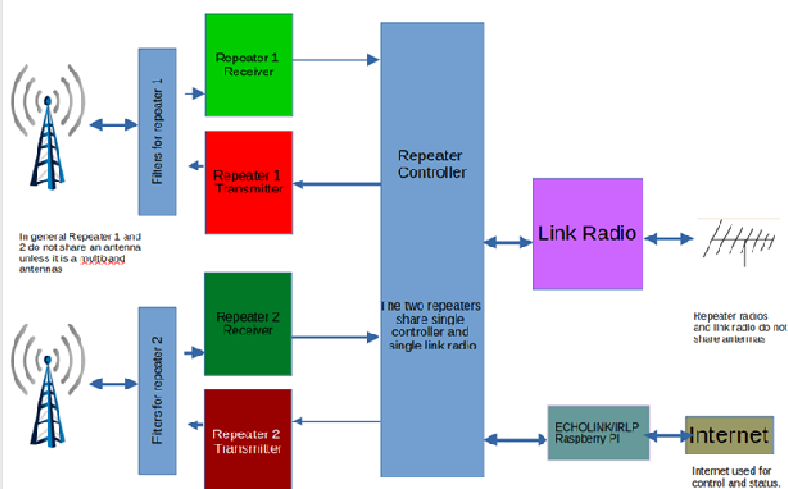
There will NOT be a recording of this meeting so to see this presentation you will need to attend the meeting.

Discussed will be how the various repeaters actually link up and the various different linked and unlinked modes. Knowledge of how the system works and ability to change things also allows people to potentially help diagnose any network/repeater issues that come up. This knowledge can be useful if you are a net control for a net on the repeater system including public service activities.

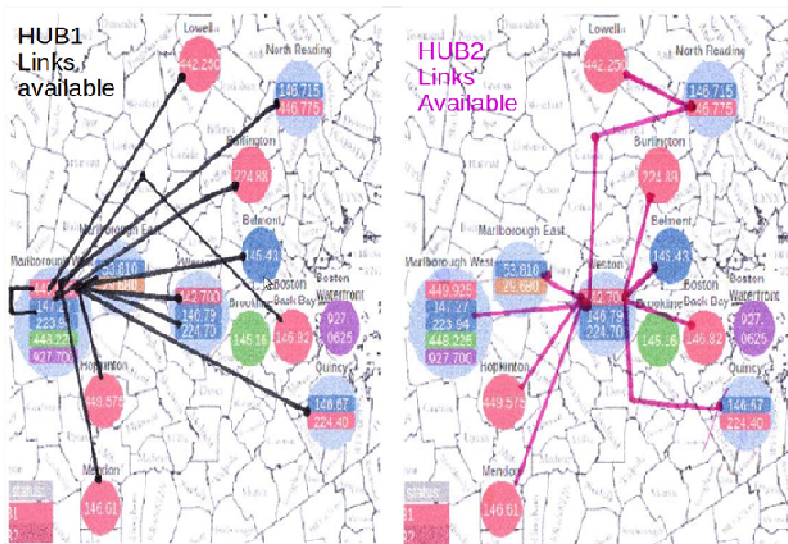
Some example slides are shown on the next page.

Kevin Paetzold (K1KWP) has been a member of the MMRA since 1998 and has been an elected officer of the MMRA since 2000. Kevin was employed as an engineer and engineering manager in the Massachusetts based computer industry for over 40 years. Ham radio interests include APRS, packet, satellite, and the MMRA.

Double configuration. Two repeaters on one controller.

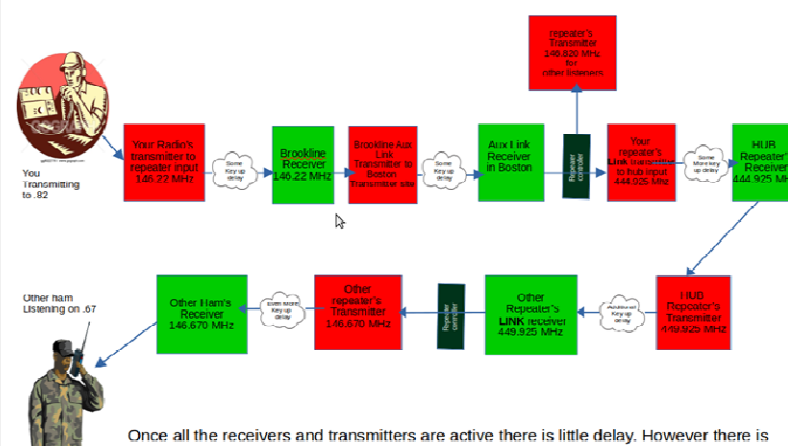


This presentation is for MMRB Members Only.



This presentation is for MPA Members Only

Split Site Example. Ham on repeater 1 (Boston/Brookline 146.82 PL 146.2) talking to ham on repeater 2 (Quincy 146.67 PL 146.82)



This presentation is for MMHA Members Only.

President's Corner ~ David Hornbaker, N1DCH

Summer has arrived! This summer, MMRA will hold a rare JULY meeting. Kevin, K1KWP will present MMRA Repeater Linking, Operation, and Control. **This will be a members only meeting.** Please do not share the Zoom meeting information with non-members.

Good news! The August Business meeting and the September membership meeting will be Hybrid. We will be meeting at New England Sci-Tech and via Zoom. The August Business meeting will give us a chance to test out hybrid meetings before we have a larger meeting with a presentation. I expect that all future meetings will be hybrid. This format will allow MMRA to serve our widespread membership better.

Membership renewal! ***All MMRA memberships expire in August.*** Please check your profile and if your membership expires this year, please renew.

Please visit our table at HamXposition September 9-11 in Marlborough. Check out HamXposition's web site for more information <https://www.hamxposition.org/>

Join us Tuesday nights at 8:00 PM for our weekly Technical Information and Other Stuff (TlaOS) net. There will be a lively discussion on all sorts of HAM issues, including equipment, antennas, software, repeaters, and other stuff. The main purpose is to test our ability to link up the repeaters in case of an emergency, or to support some event like a marathon. You can also join via EchoLink if your radio is a little under the weather. See below for more information.

You can find out more information about how and when the repeaters are linked on the website (https://www.mmra.org/repeaters/repeater_linking.html).

Please remember to keep your profile up to date, especially if your email changes. Note that if your callsign changes, send email to contact@mmra.org and we will update your callsign in the database.

73 — Dave — N1DCH



Northeast
HamXposition

September 10, 11, and 12th in Marlborough

Upcoming MMRA Meetings

Note: Meeting locations and times are subject to change.

Consult the MMRA website for the most up-to-date information.
Teleconference numbers will be available one week before a business meeting: if you wish to attend, email contact@mmra.org.

Wednesday, 21 July ~ Membership Meeting ~ 7:30 PM
Program: Using the MMRA Repeater System
Kevin, K1KWP
Location: ZOOM Teleconference

Wednesday, 18 August ~ Business Meeting ~ 7:30 PM
Location: ZOOM Teleconference

Sunday, 12 September ~ noonish
Program: The MMRA Repeater System
Location: HamXposition, Marlboro MA *In Person!!!*

Wednesday, 15 September ~ Membership Meeting ~ 7:30 PM
Program: Shortened 80m End Fed Half Wave Antenna
Dave, N1DCH
Location: Hybrid: *In Person at New England SciTech* & ZOOM Teleconference

Wednesday, 20 October ~ Business Meeting ~ 7:30 PM
Location: ??????????????????

Wednesday, 20 November ~ Membership Meeting
Program: tbd
Jason, W1HFP

Wednesday, 15 December ~ Business Meeting ~ 7:30 PM
Location: ??????????????????

Wednesday, 19 January ~ Membership Meeting
Program: tbd

Wednesday, 16 February ~ Business Meeting ~ 7:30 PM
Location: ??????????????????

Wednesday, 19 March ~ Membership Meeting
Program: Grounding and Bonding
ZOOM — K3LR

Don't Forget! Join Us.

Every Tuesday @ 8 PM

Technical, Informational and Other Stuff Net

The MMRA's repeaters are linked Tuesday nights for the TIOS Net. Keep up with what's happening in the MMRA and ask your ham related questions.

Net Control Operators:

Week 1	W1DYJ	Larry Banks
Week 2	KB1OQA	Tom Turner
Week 3	KC1CLA	Ed Curley
Week 4	K1KWP	Kevin Paetzold
Week 5	K1BTZ	Jonathan Traum

To connect using Echolink / IRLP during the Net:

- Echolink Conference *NEW-ENG2*
- IRLP node 4133

NOTE: we need another NC to be available as a substitute. If you are interested, email W1DYJ@mmra.org

MMRA Leaders

Executive Board — Officers

President	Dave Hornbaker	N1DCH
Vice President	John Spencer	WA1MDD
Secretary	Jason Peardon	W1HFP
Treasurer	Kevin Paetzold	K1KWP
Clerk	Open	

Executive Board — Directors

Director »2023	Bob DeMattia	K1IW
Director »2023	Roger Coulson	WA1NVC
Director »2022	Rob Evans	N1BE
Director »2022	James Lee	N1DDK

Technical Officer

Technical Officer	Bob DeMattia	K1IW
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President Emeritus

Bob DeMattia	K1IW
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Technical Officer Emeritus

Bryan Cerqua	W1BRI
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Repeater Trustees

* Belmont 145.43	Ed Curley	KC1CLA
* Boston 146.82	John Mullaney	K1BOS
* Boston 927.0625	Rick Zach	K1RJZ
* Brookline 145.16	Joyce DeMattia	K1IWW
* Brookline Rcv 146.82	Bob Phinney	K5TEC
* Burlington 224.88	Bruce Pigott	KC1US
* Hopkinton 449.575	Bryan Cerqua	W1BRI
* Marlborough 53.81	Bryan Cerqua	W1BRI
* Marlborough: 29.68, 144.39, 147.27, 223.94, 448.225, 449.925, 927.70	Lowell 442.25 all as W1MRA	
	Bill Northup	N1QPR
* Mendon 146.61	Kevin Paetzold	K1KWP
* N. Reading 146.715	Bruce Pigott	KC1US
* N. Reading 446.775	Larry Banks	W1DYJ
* Quincy 224.40	Bill Dunn	N1KUG
* Quincy 146.67	Bryan Cerqua	W1BRI
* Weston 146.79	Rob Evans	N1BE
* Weston 224.70	Eddie Mulhern	N1NOM
* Weston 442.70	Dave Hornbaker	N1DCH

Additional, non-Voting

* Newsletter Editor	Larry Banks	W1DYJ
* Emerg. Coord.	Kevin Paetzold	K1KWP
* Pub. Serv. Coord.	Bruce Pigott	KC1US
* VEC Liaison	Bill Wade	K1IJ
* Net Manager	Larry Banks	W1DYJ
* Web Page Editor	Bob DeMattia	K1IW

* Appointed