

W4FJ Repeater Code of Conduct and Operational Guidelines

Version: 2018-09-30

Purpose:

The Richmond Amateur Radio Club's (RARC) mission promotes the enjoyment and advancement of amateur radio and emergency communication. Consistent with that mission, the RARC purchased and operates the W4FJ D-Star repeaters.

General Rules:

- The use of the W4FJ repeaters is a privilege.
- Repeater usage is at the sole discretion of the repeater trustee, under the direction of the RARC Officers and Board of Directors.
- Acceptable traffic on the repeater must be in line with the RARC mission.
- Good manners and proper repeater protocol are always required. If you are not sure what constitutes good repeater operation, contact any RARC officer or the W4FJ repeater trustee.
- Traffic prohibited by the FCC is always unacceptable and illegal.
- Traffic of a political, religious, sexual or inflammatory nature is not permitted.
- Purposeful jamming or interfering with repeater operations is illegal. RARC takes this seriously and will report violations as necessary.
- Repeated violations or illegal operations will result in a report to the authorities

URLs

- Link Status Page: <https://w4fj.dstargateway.org/>
- Registration Page: <https://w4fj.dstargateway.org/LogoutAction.do>

W4FJ Operational Configuration

- 2 meter (VHF)
 - Frequency: 147.255 +600 Khz
 - Port: C
 - RPT1: W4FJ C (3 spaces)
- 70 centimeter (UHF)
 - Frequency: 443.7125 +5 Mhz
 - Port: B
 - RPT1: W4FJ B (3 spaces)
- 23 centimeter
 - Frequency: 1280.000 -20.00 Mhz
 - Port: A
 - RPT1: W4FJ A (3 spaces)

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D-Star Operational Guidelines:

- Please wait for the Repeater and Gateway ID following each transmission.
- Please wait 1 second after receiving a transmission before responding (keying up).
- Voice identification is optional but highly encouraged; the D-Star digital protocol transmits your callsign on every transmission implicitly meeting the FCC identification rule.
- The preferred methods of “Calling CQ” are:
 - Local Repeater Usage
 - (Callsign) (Status: [Mobile|Portable|Monitoring|etc]) on W4FJ ([2 meters|70 centimeters|23 centimeters])
 - Example: "K8OI Mobile on W4FJ 70 centimeters"
 - Crossband Repeater Usage

NOTE: Please stop crossbanding once the QSO is complete.

 - (Callsign) (Status: [Mobile|Portable|Monitoring|etc]) on W4FJ ([2 meters|70 centimeters|23 centimeters]) crossband on W4FJ ([2 meters|70 centimeters|23 centimeters])
 - Example: "K8OI Mobile on W4FJ 70 centimeters crossband on 23 centimeters"
- “Busy Lockout” is encouraged, but not required.
- All D-Star registered operators are welcome to link or unlink the repeaters
- D-Star Linking method:
 - NOTE: The 2 meter (VHF), Port C module is typically linked to REF062B during the work week from 07:00 - 19:00. Feel free to unlink as you wish.
 - Check the status of the repeater
 - URCALL
 - Set the field to (Your Callsign) with an “I” (India) in the 8th position.
 - Example: “K8OI I” (3 spaces after the I)
 - RPT2
 - Set the RPT2 setting to “W4FJ G” (3 spaces after the J)
 - This setting tells the D-Star Gateway to “read” the URCALL setting
 - Key up the repeater. This will trigger an announcement with the current state of the link.
 - Ensure nobody else is using the link or the repeater before linking/unlinking.
 - Unlink or Link the repeater as you desire.
 - When you are finished using the link please return it to the previous state

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- Transceiver Configuration for RF traffic:
 - MYCALL - You are REQUIRED to use your callsign. This is the callsign used for station identification and is required by the FCC for proper identification.
 - RPT1 - You must use the appropriate port configuration. For example, if you are using the “Port B” (UHF) module, RPT1 must contain “W4FJ B” (3 spaces after the J)
 - RPT2 - Must contain “W4FJ G” (3 spaces after the J)
- DVAP, Dongle, HotSpot, etc. connections are permitted.
 - MYCALL - You are REQUIRED to use your callsign. This is the callsign used for station identification and is required by the FCC for proper identification.
- GPS Auto Beaconsing is not permitted.
- GPS data sent during a normal, manual transmission is permitted.

Document Version Changes	
2018-09-30	<ul style="list-style-type: none">● Changed REF025B to REF062B● Included URLs for W4FJ Registration Page and Linking Status
2016-12-03	<ul style="list-style-type: none">● Initial Version of document