

# WX4EMA D-STAR Linking Tips



For local operation (**Macon , GA**) program and store a memory as follows:

	<u>2 meter VHF</u>	<u>70cm UHF</u>	<u>1.2 GHz Voice</u>	<u>1.2 GHz Data</u>
<b>Frequency:</b>	145.340- (0.6)	440.625+ (5.0)	N/A	1297.3750
<b>UR:</b>	CQCQCQ	CQCQCQ		
<b>RPT1:</b>	WX4EMA C	WX4EMA B		
<b>RPT2:</b>	WX4EMA G	WX4EMA G		

*(Note that any module designations must be in the 8<sup>th</sup> position regardless of callsign length. If a callsign is shorter than 6 characters, add spaces to ensure the module letter is in the 8<sup>th</sup> position. Always use the repeater callsign with G in RPT2 to allow DV Dongle and linked repeaters to hear you and be heard)*

## **Repeater Linking (To link a repeater module to another repeater)**

**Example:** To link WX4EMA C (2m) to WX4GPB C (Stone Mountain), set another memory for the following and key for one second:

**Frequency:** 145.340- **UR:** WX4GPBCL **RPT1:** WX4EMA C **RPT2:** WX4EMA G

After repeater announces that it is linked, move back to memory for local operation:

**Frequency:** 145.340- **UR:** CQCQCQ **RPT1:** WX4EMA C **RPT2:** WX4EMA G

**To unlink repeater:** Set a memory as follows: **UR:** \*\*\*\*\*U **RPT1:** Wx4EMA C **RPT2:**

(Note \* in UR is a space, the U is in the 8<sup>th</sup> position, frequency is still the repeater frequency)

**To see if a repeater is linked:** Program a memory for:

**Frequency:** 145.340- **UR:** WX4EMA I **RPT1:** WX4EMA C **RPT2:** WX4EMA G

If repeater is not linked, it will announce its ID. If it is linked somewhere, it will say "Repeater already linked".

## **Linking to Reflectors**

Reflectors are locations where multiple repeaters or Dongle users can connect simultaneously (aka a conference bridge). Reflectors are designated as REF001C, ...2C, ...3C, etc. Each reflector has three separate conference locations designated by the letter at the end. For example, you can connect to REF001A, REF001B or REF001C. Think of it as three separate conference bridges.

**To link to a reflector** (ex. REF001C) from Wx4EMA C, program as follows:

**Frequency:** 145.340- **UR:** REF001CL **RPT1:** WX4EMA C **RPT2:** WX4EMA G

Unlink as above.

**US Reflectors** (see entire list of reflectors at <http://www.dstarinfo.com/reflectors.aspx>)

REF001A	REF004A – * Backup SE Weather Net *
REF001B – Illinois D-STAR repeaters	REF004B – Texas Permalink Repeaters
REF001C – D-STAR's MegaRepeater	REF004C – General Rag Chew (English)
REF002A – * SE Weather Net *	REF014C – West Coast repeater linking
REF002B	REF030B – * Georgia EmComm Use/ARES *
REF002C	REF030C – * Georgia/Southeast US Repeaters *

## D-STAR Tips (continued)

### Help and other links

To see what's on your local repeater, view the D-STAR Dashboard:

<https://callsign.dstargateway.org/status.html> (substitute the desired repeater callsign)

For help programming your D-STAR radio, use the D-STAR Calculator at

<http://www.dstarinfo.com/dstar-web-calculator.aspx>

To see who is on D-STAR, <http://www.dstarusers.org>

For a listing of D-STAR repeaters:

<http://www.dstarusers.org/repeaters.php>

<http://www.dstarinfo.com/standard-repeater-list.aspx>

For general D-STAR information:

<http://www.dstarinfo.com/home.aspx>

<http://www.dstarusers.org>

For info on the DV Dongle or DV Access Point:

<http://www.dvdongle.com>

<http://www.dvapdongle.com/>

For instructions on registering your call sign, <http://www.dstargateway.org>.

### D-STAR Forums and Groups

**Georgia D-STAR Yahoo Group:** [http://groups.yahoo.com/group/ga\\_dstar/](http://groups.yahoo.com/group/ga_dstar/)

General interest topics and news on what's happening with D-STAR in Georgia

**Southeast D-STAR Weather Net Yahoo Group:** [http://groups.yahoo.com/group/se\\_wxnet/](http://groups.yahoo.com/group/se_wxnet/)

The Southeast D-STAR Weather Net operates each Sunday night at 9:00pm ET on REF002A during non-emergency times. The net was formed to practice a wide area net over a linked repeater network for emergency weather conditions in the southeast such as hurricanes, tropical weather, tornadoes or severe thunderstorms. All check in's are welcome and encouraged. Just link your local repeater to REF002A just before 9:00pm on Sunday evenings. Check-in is taken by state for each southeastern state. During severe weather conditions, link your local repeater to REF002A to monitor for emergency communications.