

# W4GSO\_B 442.8625+ 65.13.128.238

## D-Star fields

### MY

- \* Your callsign must be entered in this field to transmit legally (i.e. KT4AT)
- \* In addition, if you plan to use the Internet Gateway, this callsign must be registered with the Club, who in turn will register it with DSyncG2
- \* You can have up to 10 different callsigns registered (i.e. KT4AT, KT4AT\_M, KT4AT\_HT, etc.); each one will be treated as standalone

### UR

- \* For normal use, this field should contain CQCQCQ
- \* This field is also used for callsign and repeater routing (see Using the Gateway below)
- \* This field is also used for DPlus linking and unlinking (see Using the Gateway below)
- \* Finally, also used for DController and DPlus User commands (see User Functions below)

### R1

- \* This field always contains the repeater you are transmitting onto, including the DStar suffix (i.e. W4GSO\_B)
- \* Suffixes: A = 1.2G, B = UHF, C = VHF; DController also supports D = 6m, and E = 10m
- \* Finally, although you cannot initiate a contact to a DVDongle, F are dongles
- \* The R1 field MUST be 8 digits long

### R2

- \* For local communications on the repeater, select Not Use
- \* For Gateway access, enter the repeater system callsign with a suffix of G (i.e. W4GSO\_G)
- \* DController will also support RF linking; in this case R2 should be the system callsign with a suffix of R (i.e. W4GSO\_R)
- \* The R2 field MUST be 8 digits long

## Courtesy Tones / Macros / Schedule

The courtesy tone depends on the port generating it (Repeater 1, 2 or 3, Gateway, or RF Link), the Macro running on this repeater at that time, the header decode status, and the linking status.

### RF Header bad

BOOOP (???)

### Gateway

Deedoo

### Linked

a DEE is added at end of the regular courtesy tone

DController uses Macro Scheduler to quickly recall a given controller configuration. A Control Operator can recall a macro manually over the air, or the controller can automatically change macro on schedule. Linking/Unlinking is part of a macro. Linking/Unlinking may be enforced or not on any macro.

<u>Macro Name</u>	<u>Description</u>	<u>Day</u>	<u>Time</u>	<u>Courtesy Tone</u>	<u>Link Enforced</u>
GEN	General Use	Default	Default	Doodadee	No
GEN1C	General Use linked 1C	-	-	Doodadee - dee	No/REF001C
COMUT	NC Commute Net	Work days	7 to 9 AM 5 to 7 PM	Doodadee - dee Doodadee - dee	No/REF017C No/REF017C
WNET	SE Weather Net	Sundays	9 to 10:30 PM	DeeDooDee - dee	Yes/REF002A
OZARK	OZARK Net	Sundays	9 PM to 12 AM	Not currently active /	REF001C
NCNET	NC DStar Net	Tuesdays	9 to 10:30 PM	DahDiDit - dee	Yes/REF017C
PAPA	SouthCal Technical Net	Wednesdays	11 PM to 1 AM	Not currently active /	REF012B
CANET	Canadian Net	Fridays	9 to 10:30 PM	Not currently active /	REF016B

## Using the Gateway

### Direct Callsign Routing

- \* Enter your correspondent callsign in the UR field (i.e. KB4HG); your correspondent callsign as well as yours must be registered
- \* Reverse way, use the Capture button to configure your HT/mobile automatically to answer
- \* This function is supported by the Icom software; the callsign database is updated every 15 minutes

### Direct Repeater Routing

- \* Enter the desired repeater callsign and suffix, preceded by a / in the UR field (i.e. /KR4RDUB) - suffix in 8th digit position
- \* Reverse way, use the Capture button to configure your HT/mobile automatically to answer
- \* This function is supported by the Icom software; the repeater database is updated once an hour

### Repeater Linking

- \* To link, enter the desired repeater callsign and suffix, followed by L (i.e. KR4RDUBL) in the UR field - B in 7th and L in 8th position
- \* To unlink, enter \_\_\_\_\_U in the UR field (with 7 leading spaces)
- \* This function is supported by DPlus, and the database is updated once an hour; DController supports linking without first unlinking

### Reflector Linking

- \* To link, enter the desired reflector callsign and suffix, followed by L (i.e. REF017CL) in the UR field
- \* To unlink, enter \_\_\_\_\_U in the UR field (with 7 leading spaces)
- \* This function is supported by DPlus, and the database is updated once an hour; DController supports linking without first unlinking

## DController User Functions

### Echotest

- \* Echotest from DController: enter W4GSO\_E in UR, WITH Not Use in R2; controller will play back and send your bit error rate
- \* Echotest from DPlus, same as above, but with W4GSO\_G in R2

### Messaging

- \* To record, enter W4GSO\_S0 in UR, with Not Use in R2
- \* To playback, W4GSO\_R0 in UR
- \* To erase, W4GSO\_C0 in UR
- \* The message will play per scheduler

### Link Status

- \* \_\_\_\_\_LQ in UR (6 leading spaces)
- \* Controller will send back either the remote system callsign linked to, or Unlinked
- \* Function may be up to 1 minute behind if inbound linked

### Dongles

- \* \_\_\_\_\_DQ in UR (6 leading spaces)
- \* Controller will send back the list of connected dongles to the system
- \* Use your HT/Mobile RX-Callsign function to view

### Queries

#### Last Users

- \* \_\_\_\_\_UQ in UR (6 leading spaces)
- \* Controller will send back the list of the last 20 users on system
- \* Use your HT/Mobile RX-Callsign function to view

### Registration

- \* KT4AT\_RQ in UR (8 digits)
- \* Controller will check registration status for KT4AT and will send all found registered callsigns, and where last heard
- \* View with RX-Callsign function

### Gateways

- \* W4GSO\_GQ in UR (8 digits)
- \* Controller will recover and send the IP address for system W4GSO
- \* View with RX-Callsign function
- \* Use then DPlus Dashboard to view activity on system

## Internet Tools for Users

- <https://65.13.128.238> : W4GSO Greensboro DPlus Dashboard (machine status and activity)
- <https://65.13.128.156> : AK4EG Burlington DPlus Dashboard (machine status and activity)
- <https://65.15.225.187> : KR4RDU Carborro DPlus Dashboard (machine status and activity)
- <https://65.12.131.142> : KI4WXS Charlotte DPlus Dashboard (machine status and activity)
- <https://xxx.xxx.xxx.xxx> : Any machine DPlus Dashboard (use Gateway Query above to find IP address from callsign)
- <https://65.13.128.238/Dstar.do> : W4GSO Registration URL
- <http://dsyncg2.dstarusers.org> : DSYNC Gateway status list
- <http://www.dstarusers.org/repeater.php?repeatersort=5> : Worldwide Dstar repeater directory
- <http://www.dstarinfo.com/Reflectors.aspx> : Reflector status list
- <http://www.dstarusers.org> : Last heard list (worldwide)