

# APRS Queries, Information Exchange & Groups

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SA7SKY 2024-04-22

| Input                    | to              | Meaning & Answers                                                                                                                                                                                                                                                                                                                                                                 | Example                                                                                                           | System                        |
|--------------------------|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|-------------------------------|
| <b>Standard</b>          |                 |                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                   |                               |
| ?APRS?                   | <i>callsign</i> | Request of all queries that can be answered by a station/system                                                                                                                                                                                                                                                                                                                   | ?APRS?<br>?APRSD ?APRSL ?APRSH ?APRSM ?APRSO ?APRSP<br>?APRSS ?APRST/?PING? ?ABOUT/?APRSV/?VER ?CPU<br>?DX ?IGATE | APRSIS32                      |
| ?WX?                     | CQ              | Query to all weather stations                                                                                                                                                                                                                                                                                                                                                     | <i>not tested</i>                                                                                                 | Radios                        |
| ! <i>PROGRAMNAME.EXE</i> | <i>callsign</i> | An UI-View station would execute the program in the RCOMMAND folder (i.e.: <b>!Orbitron.exe</b> , to start Orbitron. It is only necessary to mention '.exe' if several applications are in the folder (i.e. .bat) with same name Orbitron. Otherwise only <b>!Orbitron</b> is enough). Default is <b>!help</b>                                                                    |                                                                                                                   | UI-View                       |
| ?ABOUT = ?APRSV & ?VER   | <i>callsign</i> | Station's software version, operating system, CPU load                                                                                                                                                                                                                                                                                                                            | ?APRST<br>APRSIS32 Win v6.1 b7601 p2 9.1/6.4%                                                                     | APRSIS32                      |
| ?APRSD                   | <i>callsign</i> | stations heard <b>direct</b> (without digipeater hops)                                                                                                                                                                                                                                                                                                                            | ?APRSD<br>Directs= DB8JO-9 DO8RMA-9 DO1HH DBOXIA                                                                  | UI-View<br>APRSIS32<br>Radios |
| ?APRSH                   | <i>callsign</i> | Heard stations incl. packet path I, G, D, d, R<br>I = packets from the internet (also from APRS-IS only)<br>G = gated station packets (callsign-SSID following q-construction [qAS, qAR, etc.])<br>D = digipeated station packets with first copy been heard from the internet (APRS-IS)<br>d = digipeated station packets - heard locally<br>R = station packets heard via radio | ?APRSH<br>DF8LS-10(1) I+R: 35+1 18+6 6+4                                                                          | APRSIS32                      |
| ?APRSH <i>DF8LS-9</i>    | <i>callsign</i> | Did the station <b>hear</b> <i>callsign DF8LS-9</i> ?<br>The answer shows the statistic of the past 18 hours                                                                                                                                                                                                                                                                      | ?APRSH DF8LS-9<br>DF8LS-9(0) I+R: 0+0 0+3 1+5                                                                     | UI-View<br>APRSIS32<br>Radios |
| ?APRSL                   | <i>callsign</i> | stations that have been heard during the past 30 minutes locally with a maximum of 2 hops<br>(1) = 1 hop (2) = 2 hops                                                                                                                                                                                                                                                             | ?APRSL<br>DB0NMS-2(1) DBOXIA DF8LS-7 DO8LXZ-7(1) OZ4DIA-2(2) OZ4DIC-2(2) OZ4DID-2(2) OZ5DII-2(2)                  | APRSIS32                      |
| ?APRSM                   | <i>callsign</i> | Message query. Requests if the station has any messages for me on stock. Possible feature within APRSIS32 and UI-View if specific add-on is installed                                                                                                                                                                                                                             | ?APRSM<br>4 Messages Requested                                                                                    | APRSIS32<br>UI-View           |
| ?APRSO                   | <i>callsign</i> | Object query. All active objects created by the station will be send out excluding QRU-server objects                                                                                                                                                                                                                                                                             | ?APRSO<br>3 Objects Transmitted                                                                                   | UI-View<br>APRSIS32<br>Radios |
| ?APRSP                   | <i>callsign</i> | Position query                                                                                                                                                                                                                                                                                                                                                                    | ?APRSP                                                                                                            | UI-View                       |

UI-View is case sensible !

*callsign* allways with *SSID* if existing

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|                        |                 |                                                                                                 |                                                                                                                                                                                                                                                                                                                                                      |                         |
|------------------------|-----------------|-------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|
|                        |                 |                                                                                                 | Forced beaconing at the query receptor's side                                                                                                                                                                                                                                                                                                        | APRSIS32 Radios         |
| ?APRSS                 | <i>callsign</i> | Status query (when receptor uses APRSIS32 including port assignment)                            | ?APRSS<br>Ports[1/4] 04-21 19:09:05 APRS-IS OK 97.3k 93.6k 92.7k 93.3k 93.2k 93.3k<br>Ports[2/4] 04-21 19:09:05 2m-Band OK 71 69 72 173 183 145 88 122 /hr<br>DX=1*DO1HH(32km@131°)<br>Ports[3/4] 04-21 19:09:05 30m-Band OK 51 50 49 173 183 145 88 122 /hr<br>DX=1*HB9DDF(803km@191°)<br>Ports[4/4] 04-21 19:09:05 WX-CWOP OK 13.5k 13.1k 4497 /hr | UI-View APRSIS32 Radios |
| ?APRST = ?PING?        | <i>callsign</i> | Track of station packets till internet interface APRS-IS or via radio                           | ?APRST<br>G6UIM>APWW10,TCPIP*,qAC,T2LONDON                                                                                                                                                                                                                                                                                                           | UI-View APRSIS32 Radios |
| ?APRSV = ?ABOUT & ?VER | <i>callsign</i> | Station's software version, operating system, CPU load                                          | ?APRSV<br>APRSIS32 Win v6.1 b7601 p2 9.1/6.4%                                                                                                                                                                                                                                                                                                        | APRSIS32                |
| ?CPU                   | <i>callsign</i> | Station's software version, operating system, CPU load                                          | ?CPU<br>APRSIS32 Windows v6.1 b7601 p2 K:5.4/1.9%<br>U:6.7/5.7%                                                                                                                                                                                                                                                                                      | APRSIS32                |
| ?DX                    | <i>callsign</i> | <b>DX</b> -report in abbreviated form (farthest received station during the past hour)          | ?DX<br>DX: RT9K-14 64.54.58N 77.46.04E 4013,9km 39ø<br>07:25                                                                                                                                                                                                                                                                                         | UI-View APRSIS32        |
| ?IGATE                 | <i>callsign</i> | Activities at the IGATE ports (If system is APRSIS32 including bi-directional status if active) | ?IGATE<br>IGate[1/3] LOC_CNT=8 DIR_CNT=1 RF_CNT=12<br>PKT_CNT=4<br>IGate[2/3] 144.800[KWD710(Pkt)] Bi-Directional<br>IGate[3/3] 10147.3[KISS] Bi-Directional<br>DX=2*CN2CS(1852km@193°)                                                                                                                                                              | APRSIS32                |
| ?PING? = ?APRST        | <i>callsign</i> | Track of station packets till internet interface APRS-IS or via radio                           | ?PING ?<br>OE3MSU-15>APWW10,WIDE1-1                                                                                                                                                                                                                                                                                                                  | UI-View APRSIS32 Radios |
| ?VER = ?ABOUT & ?APRSV | <i>callsign</i> | Station's software version, operating system, CPU load                                          | ?VER<br>APRSIS32 Win v6.1 b7601 p2 9.1/6.4%                                                                                                                                                                                                                                                                                                          | APRSIS32 UI-View        |

**UI-View only**

UI-View is case sensible !

2-10

*callsign* always with *SSID* if existing

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|                            |                 |                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |         |
|----------------------------|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| BCN                        | <i>callsign</i> | Position and comment text as packet ( <b>BEACON</b> )                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | UI-View |
| LGS oder LG1               | <i>callsign</i> | UI-View starts logging all received stations ( <b>LOG STATIONS / 1=on</b> ). (log file will benamed after the date)                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | UI-View |
| LGX oder LG0               | <i>callsign</i> | UI-View ends logging received stations ( <b>LOG EXIT / 0=off</b> ). (This command must come from the stations <i>callsign</i> itself)                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | UI-View |
| QAS                        | <i>callsign</i> | All heard Stations                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | UI-View |
| QWS                        | <i>callsign</i> | heard Weather-Stations                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | UI-View |
| <b>ANSRVR &amp; CQSRVR</b> |                 |                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |         |
| ?                          | ANSRVR          | Which interest groups are available on the <b>ANSRVR</b> server ( <b>not time or activity limited groups</b> ). In parentheses the number of members. If you are member of a groups all messages addressed to <i>CQ GROUP NAME</i> will automatically be received. | <p>?</p> <p>Active Groups: APRS(3) APRSIS32(14)<br/>                     APRSISCE(4) APRSSATS(5) ARES(1)<br/>                     ARFCOM(1) ARISSAT1(1) BALLOON(10)<br/>                     BRARS(1) CCARC(2) CDGAPRS(3) CDGISS(4)<br/>                     CDGVHF(2) CQ(2) DEERCAM(2) DX(1)<br/>                     ECHOLINK(8) FD(3) ISS(8) JOTA(1)<br/>                     LARC(1) LINUX(1) LINUXQRU(1) MARC(1)<br/>                     MOTORCYCLES(1) NWS(5) ODARC(1) PALS(1)<br/>                     RARC(1) ROCKETS(8) SARA(2) SCOUTS(3)<br/>                     SKYWARN(2) SOSRADIOWEEK(4) SZ4TRI(1) TEST(1)<br/>                     U(1) UIMCAM(3) WEATHER(1) WOTA(5) WX(1)</p> | all     |
| ? <i>GROUP NAME</i>        | ANSRVR          | How many members are in <i>GROUP NAME</i> (write : ?SPACE <i>GROUP NAME</i> )                                                                                                                                                                                      | <p>? APRSIS32</p> <p>APRSIS32 Notifications for APRSIS32</p> <p>Own:KJ4ERJ-12</p> <p>14 Members In APRSIS32</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | all     |
| D <i>GROUP NAME</i>        | ANSRVR          | Discription of the group and listed <i>callsigns</i> of the members (write : DSPACE <i>GROUP NAME</i> )                                                                                                                                                            | <p>D APRSIS32</p> <p>APRSIS32(14) Notifications for APRSIS32</p> <p>Own:KJ4ERJ-12</p> <p>Members[APRSIS32]: WB8SKP W8KRF-1 GW8SZL N7FMH-10 KJ4ERJ-12 K7WGR 4X1ZQ G6UIM N8CTT KB3KBR-1 KJ4ERJ-AP N5BRJ SQ5NWI-11 DF8LS-10</p> <p>14 Members In APRSIS32</p>                                                                                                                                                                                                                                                                                                                                                                                                                                     | all     |
| L                          | ANSRVR          | In which groups I am involved?                                                                                                                                                                                                                                     | <p>L</p> <p>Member Of APRSIS32(15) ISS(9)</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | all     |
| J <i>GROUP NAME</i>        | ANSRVR          | I'd like to join <i>GROUP NAME</i> !<br>Valid for 12 hours, thereafter membership has to be renewed                                                                                                                                                                | <p>J APRSIS32</p> <p>Now Monitoring APRSIS32</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | all     |

UI-View is case sensible !

*callsign* allways with *SSID* if existing

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|                              |        |                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |     |
|------------------------------|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
|                              |        | or automatic KEEP ACTIVE function in APRSIS32 takes care of that.                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |     |
| U <i>GROUP NAME</i>          | ANSRVR | I'd like to unsubscribe from <i>GROUP NAME</i> !                                                                                                                                                                                                                                                                                                                                  | U NWS<br>Remove from NWS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | all |
| CQ <i>GROUP NAME</i> Text... | ANSRVR | At the same time join <i>GROUP NAME</i> and write to all members a message.<br><br>If the group does not exist now, I will be owner of that group. (max. 46 characters as name when initiating the group)<br><br>As owner of a group I can cancel the group as follows:<br>When no members are left in the group, take myself of the XML then send U <i>GROUP NAME</i> to ANSRVR. | Normally when group exists :<br>CQ RPRNET The propagation conditions on April 20th 2013 on 30 m band are excellent. 73 Helge<br>3 Messages Sent To RPRNET<br>D GROUP Description (if Owner)<br>L=My Groups, CQ/J=Join, U=Unjoin,<br>D=Describe Groups, ?=All Groups, or ? GROUP<br><br>Output at the receptors side:<br>N:RPRNET The propagation conditions on April 20th 2013 on 30 m +<br><br>When initiating a group:<br>CQ RPRNET Robust Packet Network *HF-APRS Europe*<br>New Group(RPRNET) Description (Robust Packet Network *HF-APRS Europe*<br>D GROUP Description (if Owner)<br>L=My Groups, CQ/J=Join, U=Unjoin,<br>D=Describe Groups, ?=All Groups, or ? GROUP | all |
| INFO                         | CQSRVR | Which interest groups are available on the CQSRVR server (short time groups).<br>Cancellation of memberships and group after 12 hours of inactivity. The query principals are the same as with ANSRVR.                                                                                                                                                                            | info<br>No group specified.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | all |
| <b>QRU-Server</b>            |        |                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |     |
| INFO                         | QRU    | Which groups of QRU-objects are available in <b>my</b> geographical radius (default by server; i.e. 50km) ?<br>Maximum objects by request is default set to 5 items.<br>Both can be varied by sysop.                                                                                                                                                                              | info<br>de DF8LS-10:RP70(10) RP2M(3) RP10(1)<br>POLI(1) HELI(2) FUEL(8)+<br>de DF8LS-10:ECHO(6) AIRP(3) Max 5@50km                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | all |
| INFO 250                     | QRU    | Which groups of QRU-objects are available in <b>my</b> 250 km geographical radius (if metric is selected on the servers side, otherwise Statue-Meiles = 1.609 km) ?                                                                                                                                                                                                               | info 250<br>de DF8LS-10:RP70(27) RP2M(11) RP10(1) POLI(40)<br>LTHS(48) LIFEBOAT(25) HELI(6) FUEL(13) ECHO(17)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | all |

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                                                                                                           | CLUB(33) AIRP(3) AERO(26) Max 6@250km<br>de KJ4ERJ-15:T2SRV(5) Max 4@250mi                                                                                                                                                                                                                                                                                          |         |      |           |      |                    |      |               |      |          |      |                 |      |            |      |             |      |                   |      |          |      |                       |          |          |      |        |      |             |      |         |      |                    |      |                      |      |              |      |               |      |             |      |             |      |               |      |                 |       |               |      |                    |       |           |      |              |  |  |  |  |
| <b>OBJECT GROUP NAME</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <b>QRU</b>            | Which objects of the <i>OBJECT GROUP NAME</i> are available in <b>my</b> geographical radius?<br><br>When the query is done via the internet all objects are 'printed' out (plus in the APRSIS32 program map windows do open showing the location of them).<br><br>If query is done via radio it is only the final message:<br>< Sent 5 RP70 Objects Max 5@50km de DF8LS-10<br><br>The available objects are then send out by the IGATE and show up on the transceivers display and station list (i.e. Kenwood TM-D710, Yaesu FTM-350). If the objects carry the right format the TUNE function is ready to QSY. If using a navigator system i.e. AVMAP Geosat the objects will show up.<br><br>[Objects do not show up on aprs.fi if query was done via internet but they do if requested via radio] | RP70<br>DB0FS-70(Antenna) 438.850MHz Toff -760<br>Hamburg-Lokstedt<br>DB0ZE-70(Antenna) 438.925MHz Toff -760<br>Hamburg-Moorfleet<br>DB0SY-70(Antenna) 438.625MHz Toff -760<br>Hamburg-Lohbrügge<br>DF0HHH-70(Antenna) 438.700MHz Toff – 760<br>Rosengarten<br>DB0HEW-70(Antenna) 438.550MHz Toff – 760<br>Geesthacht<br>Sent 5 RP70 Objects Max 5@50km de DF8LS-10 | all     |      |           |      |                    |      |               |      |          |      |                 |      |            |      |             |      |                   |      |          |      |                       |          |          |      |        |      |             |      |         |      |                    |      |                      |      |              |      |               |      |             |      |             |      |               |      |                 |       |               |      |                    |       |           |      |              |  |  |  |  |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="color: orange; font-size: x-small;">AERO</td><td style="font-size: x-small;">Aerodrome</td></tr> <tr><td style="color: orange; font-size: x-small;">AIRP</td><td style="font-size: x-small;">Airport</td></tr> <tr><td style="color: orange; font-size: x-small;">AMBU</td><td style="font-size: x-small;">Ambulance</td></tr> <tr><td style="color: orange; font-size: x-small;">CLUB</td><td style="font-size: x-small;">Amateur Radio Club</td></tr> <tr><td style="color: orange; font-size: x-small;">CIVD</td><td style="font-size: x-small;">Civil Defense</td></tr> <tr><td style="color: orange; font-size: x-small;">ECHO</td><td style="font-size: x-small;">EchoLink</td></tr> <tr><td style="color: orange; font-size: x-small;">FIRE</td><td style="font-size: x-small;">Fire Department</td></tr> <tr><td style="color: orange; font-size: x-small;">FOOD</td><td style="font-size: x-small;">Restaurant</td></tr> <tr><td style="color: orange; font-size: x-small;">FUEL</td><td style="font-size: x-small;">Gas Station</td></tr> <tr><td style="color: orange; font-size: x-small;">HELI</td><td style="font-size: x-small;">Rescue Helicopter</td></tr> <tr><td style="color: orange; font-size: x-small;">HOSP</td><td style="font-size: x-small;">Hospital</td></tr> <tr><td style="color: orange; font-size: x-small;">INFO</td><td style="font-size: x-small;">Info Kiosk Collection</td></tr> <tr><td style="color: orange; font-size: x-small;">LIFEBOAT</td><td style="font-size: x-small;">Lifeboat</td></tr> <tr><td style="color: orange; font-size: x-small;">POLI</td><td style="font-size: x-small;">Police</td></tr> <tr><td style="color: orange; font-size: x-small;">POST</td><td style="font-size: x-small;">Post Office</td></tr> <tr><td style="color: orange; font-size: x-small;">RAIL</td><td style="font-size: x-small;">Railway</td></tr> <tr><td style="color: orange; font-size: x-small;">RD2M</td><td style="font-size: x-small;">2m D-Star Repeater</td></tr> <tr><td style="color: orange; font-size: x-small;">RD70</td><td style="font-size: x-small;">70cm D-Star Repeater</td></tr> <tr><td style="color: orange; font-size: x-small;">RP10</td><td style="font-size: x-small;">10m Repeater</td></tr> <tr><td style="color: orange; font-size: x-small;">RP23</td><td style="font-size: x-small;">23cm Repeater</td></tr> <tr><td style="color: orange; font-size: x-small;">RP2M</td><td style="font-size: x-small;">2m Repeater</td></tr> <tr><td style="color: orange; font-size: x-small;">RP6M</td><td style="font-size: x-small;">6m Repeater</td></tr> <tr><td style="color: orange; font-size: x-small;">RP70</td><td style="font-size: x-small;">70cm Repeater</td></tr> <tr><td style="color: orange; font-size: x-small;">SHOP</td><td style="font-size: x-small;">Shopping Center</td></tr> <tr><td style="color: orange; font-size: x-small;">SRAIL</td><td style="font-size: x-small;">Steam Railway</td></tr> <tr><td style="color: orange; font-size: x-small;">STOR</td><td style="font-size: x-small;">Amateur Radio Shop</td></tr> <tr><td style="color: orange; font-size: x-small;">T2SRV</td><td style="font-size: x-small;">T2 Server</td></tr> <tr><td style="color: orange; font-size: x-small;">VETE</td><td style="font-size: x-small;">Veterinarian</td></tr> </table> | AERO                  | Aerodrome                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | AIRP                                                                                                                                                                                                                                                                                                                                                                | Airport | AMBU | Ambulance | CLUB | Amateur Radio Club | CIVD | Civil Defense | ECHO | EchoLink | FIRE | Fire Department | FOOD | Restaurant | FUEL | Gas Station | HELI | Rescue Helicopter | HOSP | Hospital | INFO | Info Kiosk Collection | LIFEBOAT | Lifeboat | POLI | Police | POST | Post Office | RAIL | Railway | RD2M | 2m D-Star Repeater | RD70 | 70cm D-Star Repeater | RP10 | 10m Repeater | RP23 | 23cm Repeater | RP2M | 2m Repeater | RP6M | 6m Repeater | RP70 | 70cm Repeater | SHOP | Shopping Center | SRAIL | Steam Railway | STOR | Amateur Radio Shop | T2SRV | T2 Server | VETE | Veterinarian |  |  |  |  |
| AERO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   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| STOR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   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    |                    |       |           |      |              |  |  |  |  |
| T2SRV                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  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    |                    |       |           |      |              |  |  |  |  |
| VETE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   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    |                    |       |           |      |              |  |  |  |  |
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                                                                                                                                                                                                                                                                                                                    |                       | For the latest standard of QRU objects click <a href="http://aprsisce.wikidot.com/doc:qru">http://aprsisce.wikidot.com/doc:qru</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                     |         |      |           |      |                    |      |               |      |          |      |                 |      |            |      |             |      |                   |      |          |      |                       |          |          |      |        |      |             |      |         |      |                    |      |                      |      |              |      |               |      |             |      |             |      |               |      |                 |       |               |      |                    |       |           |      |              |  |  |  |  |

## APRS Queries, Information Exchange & Groups

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|                                                 |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                    |            |
|-------------------------------------------------|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| <p><i>OBJECT GROUP NAME</i> 150</p>             | <p>QRU</p>  | <p>Which objects of the <i>OBJECT GROUP NAME</i> are available in <b>my</b> 150 km radius?</p> <p>When the query is done via the internet all objects are 'printed' out (plus in the APRSIS32 program map windows do open showing the location of them).</p> <p>If query is done via radio it is only the final message:<br/> <i>&lt; Sent 5 RP70 Objects Max 5@50km de DF8LS-10</i></p> <p>The available objects are then send out by the IGATE and show up on the transceivers display and station list (i.e. Kenwood TM-D710, Yaesu FTM-350). If the objects carry the right format the TUNE function is ready to QSY. If using a navigator system i.e. AVMAP Geosat the objects will show up.</p> <p>[Objects do not show up on aprs.fi if query was done via internet but they do if requested via radio]</p> | <p>AIRP 150<br/> EDHL-LBC(Plane Lrge) 73.9km SSE LBC Airport +49451583010 Lübeck Blankensee EDDH-HAM(Plane Lrge) 87.6km S HAM Airport +494050750 Hamburg Intl.<br/> EDXW-GWT(Plane Lrge) 133.9km WNW GWT Airport +49465192060 Westerland/Sylt<br/> Sent 3 AIRP Objects Max 6@150km de DF8LS-10</p> | <p>all</p> |
| <p><b>AVRS Automatic Voice Relay System</b></p> |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                    |            |
| <p>?</p>                                        | <p>AVRS</p> | <p>Where from my position is the next Echolink, IRLP or Allstar-Station located ?</p> <p>To process that successfully at least one beacon including position from my station must have reached the APRS-IS.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <p>?<br/> 144.962MHz T141 EL#517844 0.31 miles</p>                                                                                                                                                                                                                                                 | <p>all</p> |
| <p>? <i>CALLSIGN-SSID</i></p>                   | <p>AVRS</p> | <p>Where from <i>CALLSIGN-SSID</i> position is his next Echolink, IRLP or Allstar-Station located ?</p> <p>To process that successfully at least one beacon including position from <i>CALLSIGN-SSID</i> must have reached the APRS-IS.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <p>?DA1ABC-9<br/> CALL DA1ABC-9 on 144.975MHz T067 EL node 226916</p>                                                                                                                                                                                                                              | <p>all</p> |
| <p><i>CALLSIGN-SSID</i></p>                     | <p>AVRS</p> | <p>I like to contact <i>CALLSIGN-SSID</i> and therefor I like a message toward me with the closest Echolink station plus frequency, CTCSS, shift and EL-number <b>plus</b> a message to <i>CALLSIGN-SSID</i> to tell him about my wish to contact him including the frequency, CTCSS, shift and EL-number to select on his nearest Echolink.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <p>DA1ABC-9<br/> Answer to me:<br/> CALL DA1ABC-9 on 144.975MHz T067 EL node 226916<br/> APRS Message to DA1ABC-9:<br/> VOICE CALL from DF8LS-9, PSE QSY 144.975MHz T067</p>                                                                                                                       | <p>all</p> |

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|                |        | [AVRS = Automatic Voice Relay System generates automatic requests to make a contact via Echolink]                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                               |     |
|----------------|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| APRSlink       |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                               |     |
| H              | WLNK-1 | Help<br>APRSlink queries for Winlink members holding a <a href="mailto:callsign@winlink.org">callsign@winlink.org</a> address. Other than stated else where it is obtainable by using i.e. Airmail 3.4.062 or RMS Express and a telnet (internet) connection [see <a href="http://www.winlink.org">www.winlink.org</a> ]                                                                                                                                                                                     | H<br>SP, SMS, L, R#, K#, Y#, F#, P, G, A, I (? + cmd for more)                                                                                                                                                                                                                | all |
| I              | WLNK-1 | Information about APRSlink                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | I<br>APRSlink v3.1.1.0 <a href="http://www.winlink.org/aprslink">www.winlink.org/aprslink</a> for information                                                                                                                                                                 | all |
| ?L             | WLNK-1 | Help with a specific command.<br>Will be answered by WLNK-1 as well when the system did not understand a command.                                                                                                                                                                                                                                                                                                                                                                                            | ?L<br>List pending messages: L                                                                                                                                                                                                                                                | all |
| L              | WLNK-1 | Query for messages available (always the last 5 ones) (List)                                                                                                                                                                                                                                                                                                                                                                                                                                                 | L<br>You have 1 new message                                                                                                                                                                                                                                                   | all |
| RMESSAGENUMBER | WLNK-1 | Query by specific message number (Read)                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | R2                                                                                                                                                                                                                                                                            | all |
| YMESSAGENUMBER | WLNK-1 | Reply to a specific message number                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Y3                                                                                                                                                                                                                                                                            | all |
| KMESSAGENUMBER | WLNK-1 | Delete a specific message number (Kill)                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | K1                                                                                                                                                                                                                                                                            | all |
| FMESSAGENUMBER | WLNK-1 | Forward a specific message number                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | F4 helge@df8ls.de                                                                                                                                                                                                                                                             | all |
| SP             | WLNK-1 | Simple transmission of a longer mail in 3 steps:<br>1. Transmission of the opening contents of:<br>SP <email - or - callsign – or - Alias> <subject><br>2. Text in any parts and length you wish<br>3. /EX as close command in a separate message<br><br>Just after the /EX message the whole message is send to the receptor. Instead of /EX you can put P in order to review the complete message.<br><br>Until the final command the text can be given out to WLNK-1 without any specific identification. | SP helge@df8ls.de News<br>send<br>here the free text is entered until the display is full<br>send<br>and sequently continue as long as needed<br>send<br>even the last sentence gets an own transmission, even if very short<br>send<br>/EX<br>message sent to helge@df8ls.de | all |
| /EX            | WLNK-1 | Final command to transmit the complete message (Execute)                                                                                                                                                                                                                                                                                                                                                                                                                                                     | /EX<br>message sent to helge@df8ls.de                                                                                                                                                                                                                                         | all |

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|                                              |        |                                                                                                                                                                                        |                                                                                                                                                   |     |
|----------------------------------------------|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| P                                            | WLNK-1 | Playback message                                                                                                                                                                       |                                                                                                                                                   | all |
| SMS                                          | WLNK-1 | send one-line message<br>(here WLNK-1 is not waiting for TEXT and /EX command)                                                                                                         | SMS DF8LS Arrival 13h00 73 Helge<br>message sent to DF8LS                                                                                         | all |
| A                                            | WLNK-1 | To simplify addresses used more often aliases can be genertaed. Scheme:<br>A ALIAS=mail@provider.net<br>To delete an alias process the following entry:<br>A ALIAS= <i>leave empty</i> | A HELGE=df8ls@robust-packet.net<br>Alias updated: HELGE=df8ls@robust-packet.net<br><br>A heh=<br>Alias deleted: heh                               | all |
| AL                                           | WLNK-1 | Query of a list of all my aliases                                                                                                                                                      | AL<br>caj=k1cck@juno.com eym=dk7le@gmx.de<br>hch=helge@helgehartz.de<br>hom=horst.mehlhoff@freenet.de jas=jampl@gmx.de<br>jat=jtimmann@freenet.de | all |
| GNUMBER                                      | WLNK-1 | Query of the next RMS Packet Gateways available.<br><i>NUMBER</i> marks the amount of (nearby) stations in the answer. Default value is 1                                              | G<br>RMS Packet: DM0ESD JO53AP 10 miles 350 deg N,<br>144.825 1200b                                                                               | all |
| <b>WHO-IS Queries [callsigns] at QRZ.com</b> |        |                                                                                                                                                                                        |                                                                                                                                                   |     |
| <i>callsign</i>                              | WHO-IS | Short query of a callsign with output format:<br>class / name / country<br><br>Query possible as well under WHO-15                                                                     | DF8LS<br>DF8LS/A/Helge C. Hartz/Germany                                                                                                           | all |
| <i>F callsign</i>                            | WHO-IS | Full query of a callsign with output format:<br>name / class / street / city / country<br><br>Query possible as well under WHO-15                                                      | F DF8LS<br>DF8LS:Helge C. Hartz/A<br>DF8LS:Kätnerweg 42<br>DF8LS:D-24235 Laboe Germany                                                            | all |

# APRS Queries, Information Exchange & Groups

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| QRZ Queries [objects]                                                                                    |                         |                                                                                                                                                                                                                                                                           |                                                                                                                                                            |     |
|----------------------------------------------------------------------------------------------------------|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| <i>object name</i>                                                                                       | QRZ                     | Short query of an object not older than 2h:<br>object name / text<br>Wildcard querie with asterix * at the end is possible, then answer comes as selection off available objects.                                                                                         | LT-KIEL<br>LT-KIEL 6.78mi NNE Kiel Fjord Iso WRG 6s Lighthouse                                                                                             | all |
| METAR Queries [Weather]                                                                                  |                         |                                                                                                                                                                                                                                                                           |                                                                                                                                                            |     |
| <i>ICAO Code</i>                                                                                         | WXBOT                   | Short query actual airport weather (SA)                                                                                                                                                                                                                                   | EDDL<br>EDDL 310820Z 23008KT CAVOK 17/15 Q1020 NOSIG                                                                                                       | all |
| WHERE-IS Queries [Positions, approximation alerts & more] - callsignS WHERE-IS & WHERE is case-sensitive |                         |                                                                                                                                                                                                                                                                           |                                                                                                                                                            |     |
| <i>callsign</i><br><i>where callsign</i>                                                                 | WHERE<br>or<br>WHERE-IS | Short query of a stations distance, bearing to, and time of latest report. Source APRS-IS (hence TCP-only as well). All 2 possibilities lead to the same result.                                                                                                          | DF8LS<br>DF8LS: 11.2 miles 15.56 deg NNE (13m ago)                                                                                                         | all |
| <i>dir callsign</i>                                                                                      | WHERE<br>or<br>WHERE-IS | Bearing to (direction) & time only.<br>Instead of <i>dir</i> you could even write the full word <i>direction</i> .                                                                                                                                                        | dir DF8LS<br>DF8LS: 15.56 deg NNE (13m ago)                                                                                                                | all |
| <i>dis callsign</i>                                                                                      | WHERE<br>or<br>WHERE-IS | Distance & time only.<br>Instead of <i>dis</i> you could even write the full word <i>distance</i> .                                                                                                                                                                       | dis DF8LS<br>DF8LS: 11.2 miles (13m ago)                                                                                                                   | all |
| <i>dis callsign @km</i>                                                                                  | WHERE<br>or<br>WHERE-IS | Distance in specific units. Available: @miles/@mi @nm @yards/@y @foot/@f @meters/@m @km                                                                                                                                                                                   | dis DF8LS @km<br>DF8LS: 18.0 km (13m ago)                                                                                                                  | all |
| <i>pos callsign</i><br><i>loc callsign</i>                                                               | WHERE<br>or<br>WHERE-IS | Position datas & time only.<br>All 2 possibilities lead to the same result.<br>Instead of <i>pos</i> & <i>loc</i> you could even write the full words <i>position</i> & <i>location</i> .                                                                                 | loc DF8LS<br>DF8LS: 56.128833 13.663833 (13m ago)                                                                                                          | all |
| <i>last callsign</i>                                                                                     | WHERE<br>or<br>WHERE-IS | Time & date only                                                                                                                                                                                                                                                          | last DF8LS<br>DF8LS: 2017-04-01 05:44:28 UTC                                                                                                               | all |
| <i>alert callsign &lt; 15 km</i>                                                                         | WHERE<br>or<br>WHERE-IS | Set an alert for of a SINGLE station. Here the condition if a distance gets <b>less than the given value</b> .<br>The stored alert extinguishes after the alert was given out. Permanent & multiple storage not possible yet.<br>The query with @ xx km is also possible. | alert DF8LS < 15 km<br>Will alert you within 15 km of DF8LS after the station has got within range<br>Alert: DF8LS is 14.1 km 15.56 deg NNE (06:25:57 UTC) | all |
| <i>alert callsign &gt; 15 km</i>                                                                         | WHERE                   | Set an alert for of a SINGLE station. Here the condition if a                                                                                                                                                                                                             | alert DF8LS > 15 km                                                                                                                                        | all |

UI-View is case sensible !

*callsign always with SSID if existing*

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|                                                         |                         |                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                         |     |
|---------------------------------------------------------|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|-----|
|                                                         | or<br>WHERE-IS          | distance gets <b>greater than the given value</b> .<br>The stored alert extinguishes after the alert was given out.<br>Permanent & multiple storage not possible yet.                                                                                                                                                                  | Will alert you outside 15 km of DF8LS<br>after the station has got within range<br>Alert: DF8LS is 16.9 km 15.56 deg NNE (06:25:57 UTC) |     |
| cancel <i>callsign</i>                                  | WHERE<br>or<br>WHERE-IS | Cancel a stored alert before it was performed.                                                                                                                                                                                                                                                                                         | cancel DF8LS<br>Alert for DF8LS canceled.                                                                                               | all |
| help                                                    | WHERE<br>or<br>WHERE-IS | Show all available commands                                                                                                                                                                                                                                                                                                            | help<br>Cmds: where/loc/pos/dis/dir/last <call> (@<br>m/km/ft/y/mi/nm)<br>Also: alert/cancel <call> < (or >) <num><br>(m/km/ft/y/mi/nm) | all |
| <b>SMSGTE [Combined APRS &amp; Mobile Phone SYSTEM]</b> |                         |                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                         |     |
|                                                         | SMSGTE                  | SMSGTE is only available in the USA & Canada.<br>Please refer to the given website below:<br><br><a href="http://smsgte.wixsite.com/smsgte/userguide">http://smsgte.wixsite.com/smsgte/userguide</a>                                                                                                                                   | @6135551234 <i>free text...</i>                                                                                                         |     |
| <b>MPAD</b>                                             |                         |                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                         |     |
| <i>various (check link)</i>                             | MPAD                    | Commands<br><a href="https://github.com/joergschultzelutter/mpad/blob/master/docs/COMMANDS/ACTION_KEYWORDS.md">https://github.com/joergschultzelutter/mpad/blob/master/docs/COMMANDS/ACTION_KEYWORDS.md</a><br><br>Background<br><a href="https://github.com/joergschultzelutter/mpad">https://github.com/joergschultzelutter/mpad</a> |                                                                                                                                         | all |