
APRS: Gateway Services

APRS Gateway Services

- Send APRS messages on the national frequency, **144.390 MHz** in the US, using **AX.25 packet**
- In Southern California set your path to **WIDE2-2** (other wide paths will work but are not preferred)
- Your message must be received by an Internet-connected **Gateway** to be processed

APRS Gateway Services

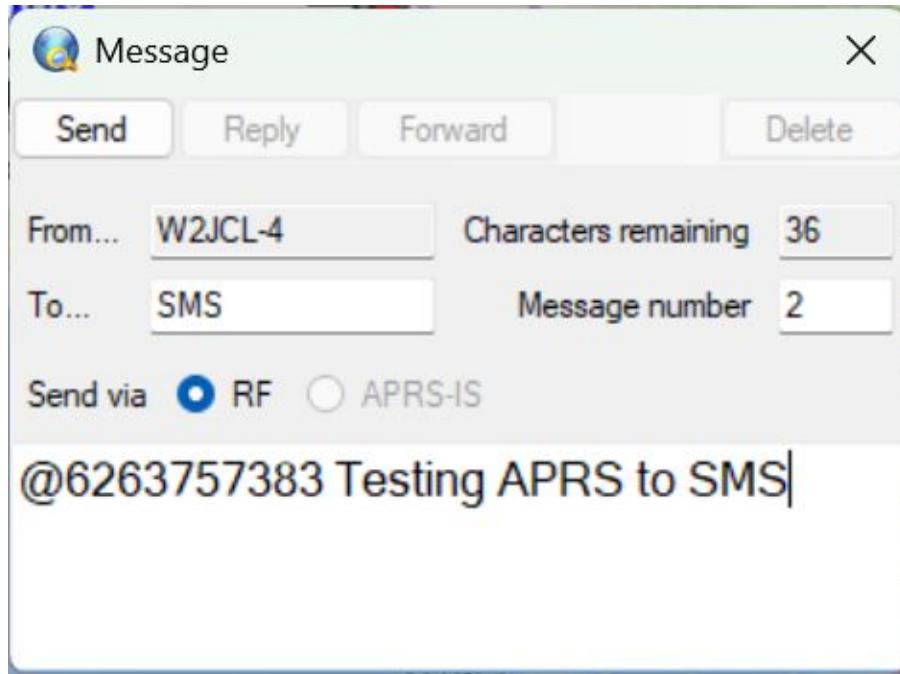
- SMS
- WTSAPP
- SOTA
- EMAIL-2
- WXBOT
- WLNK-1

<https://www.aprs-is.net/>

APRS: SMS

- Replaces SMSGTE
- Recipients must “Opt In” at
 - aprs.wiki
- In PinPoint
 - Tools | Send SMS via Gateway (F4)
- Replies found under “Messages”

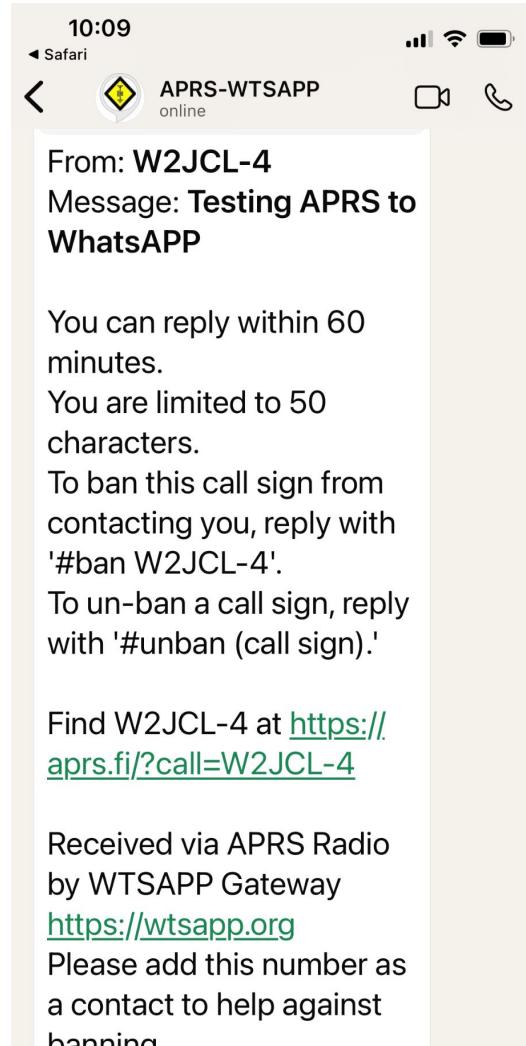
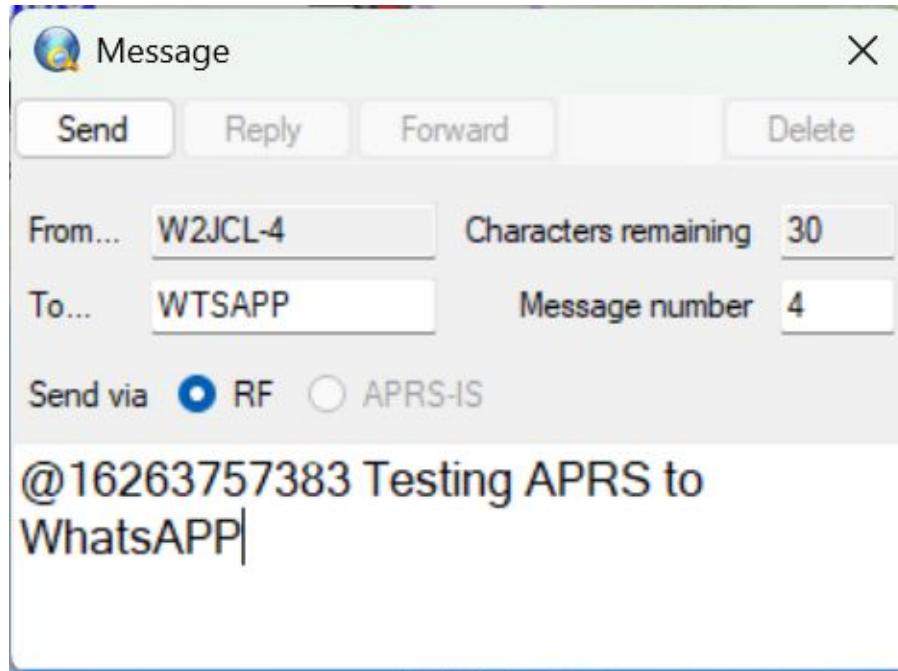
APRS: SMS



APRS: WTSAPP

- No need to Opt In
- Must use international prefix
- In PinPoint
 - Tools | Send Message (F6)
 - Address to “WTSAPP”
- Replies found under “Messages”

APRS: WTSAPP



APRS: WTSAPP

Last Heard

- Radio reports
 - Position reports (57)
 - Miscellaneous reports (14)
 - Weather reports (12)
- APRS-IS reports
- Messages
 - Inbox (4)
 - WTSAPP to W2JCL-4 at 10:16 AM
 - Group: APRS
 - Path: APRS,TCPIP,CAMRIO*
 - Number: qn9Jn
 - Message: From:16263757383: WhatsApp message received
 - Timestamp: 9/12/2025 10:16:45 AM
 - WTSAPP to W2JCL-4 at 10:09 AM
 - WTSAPP to W2JCL-4 at 10:09 AM
 - EMAIL-2 to W2JCL-4 at 10:03 AM
 - Sent items (5)
- Packet errors

APRS: SOTA

- Self-spot on SOTAwatch via APRS
- Send formatted message to SOTA or

APRS2SOTA

- SOTA <summit-ref> <frequency> <mode> [call] [comment]
- Examples
 - SOTA W6/CT-019 146.520 FM W2JCL calling cq
 - SOTA W6/CT-225 14.062 CW need 2 more

APRS: EMAIL-2

- “EMAIL” service deprecated
- In PinPoint
 - Tools | Send Email via Gateway (F5)
 - @winlink.org for Winlink messages
- No replies permitted

APRS: EMAIL-2

W2JCL-4: Testing APRS to EMAIL-2 ➤ Inbox x

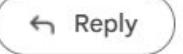
 **W2JCL-4** <aprsemail2@ae5pl.net>
to me ▾

From: W2JCL-4
Testing APRS to EMAIL-2

DO NOT REPLY

Find W2JCL-4 at <https://aprs.fi/W2JCL-4>

Received from W2JCL-4 via APRS by EMAIL-2
More info at <https://www.aprs-is.net/email.aspx>

 **Message** X

From... Characters remaining

To... Message number

Send via RF APRS-IS

literjc@gmail.com Testing APRS to EMAIL-2

APRS: WXBOT

- Weather information
- In PinPoint
 - Tools | Send Message (F6)
 - Address to “WXBOT”
- Replies found under “Messages”

APRS: WXBOT

- Message body “where”
 - Blank (your latest location)
 - Callsign-ssid
 - City,ST
 - Zipcode (5 digit)
 - Lat/Lon (decimal degrees)
 - IATA airport code (e.g. LAX)

APRS: WXBOT

- Message body “when”
 - today (default)
 - tonight
 - tomorrow
 - Monday [night] (etc.)

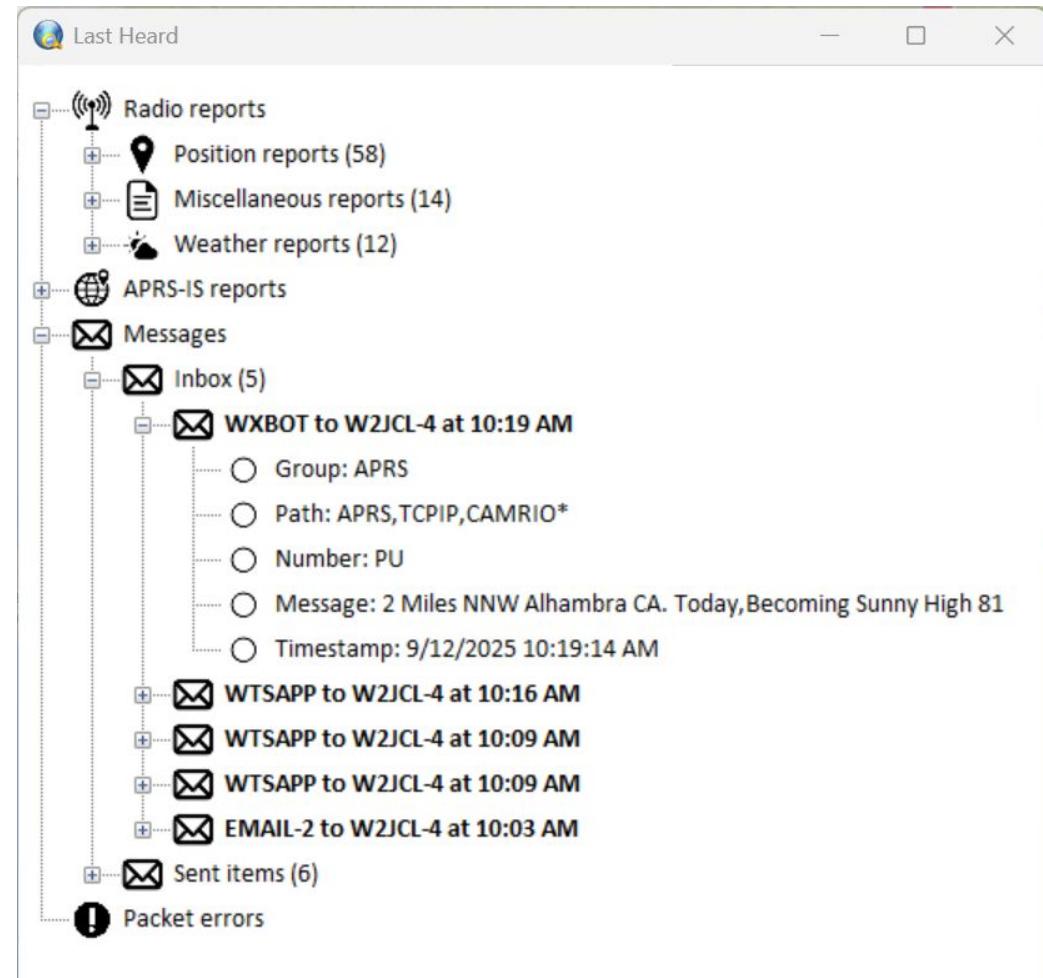
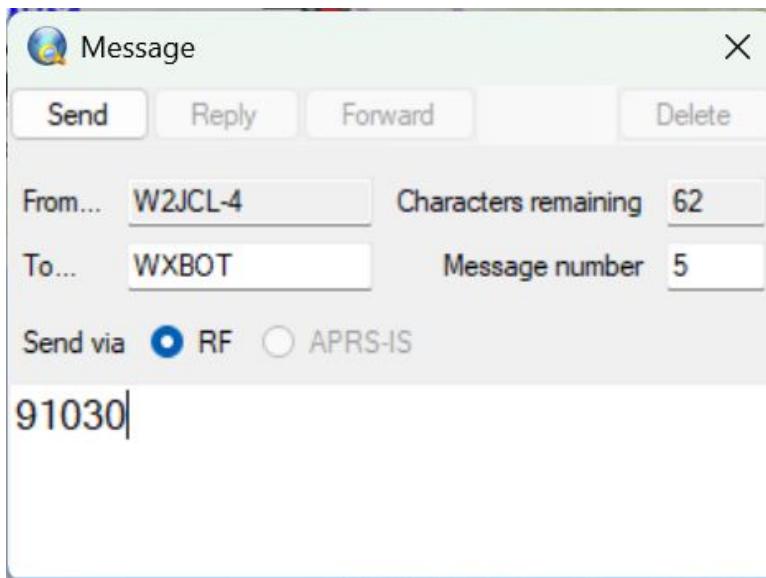
APRS: WXBOT

- Message body “what”
 - brief (default)
 - full
 - current
 - metar (with airport code)

APRS: WXBOT

- Examples
 - Pasadena,CA Sunday full
 - Tomorrow 91030
 - W1AW
 - 34.102/-118.146
- <https://sites.google.com/site/ki6wjp/wxbot>

APRS: WXBOT



APRS: WLNK-1

- Interact with your Winlink account
 - Send, list, read, reply, etc.
- <https://winlink.org/APRSLink>
- In PinPoint
 - Tools | Send Message via WinLink Gateway (F7)
- Replies found under “Messages”

Resources

- aprs.fi (online, or smartphone app with software TNC)
- SoundModem (free Windows software TNC)
 - <https://uz7.ho.ua/packetradio.htm>
- PinPoint APRS (free APRS mapping and messaging)
 - <https://pinpointaprs.com/>
- Digirig (compact computer/radio interface)
 - <https://digirig.net/product/digirig-mobile/>
 - <https://digirig.net/product/digirig-lite/>
 - <https://digirig.net/product/vox-ptt-cable-for-smartphones/>