
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
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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

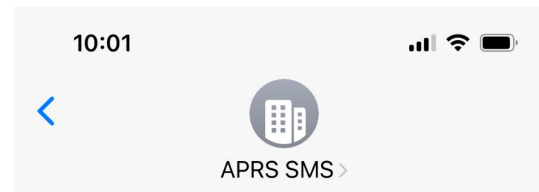
Message ✕

Send Reply Forward Delete

From... Characters remaining

To... Message number

Send via ☒ RF ☐ APRS-IS



Text Message • SMS
Sun, Aug 24 at 12:10 PM

You have opted-in to the APRS to SMS Gateway Service. To opt-out, reply STOP. To opt-in again, reply START. See <https://aprs.wiki/> for more information.

@W2JCL-4 Testing new APRS SMS messaging

Message received


Today 9:59 AM

@W2JCL-4 Testing APRS to 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

 Message ✕

Send

Reply

Forward

Delete

From...

W2JCL-4

Characters remaining

30

To...

WTSAPP

Message number

4


Send via


☒ RF



☐ APRS-IS

@16263757383 Testing APRS to
WhatsApp|

10:09

 Safari

 APRS-WTSAPP
online

From: W2JCL-4

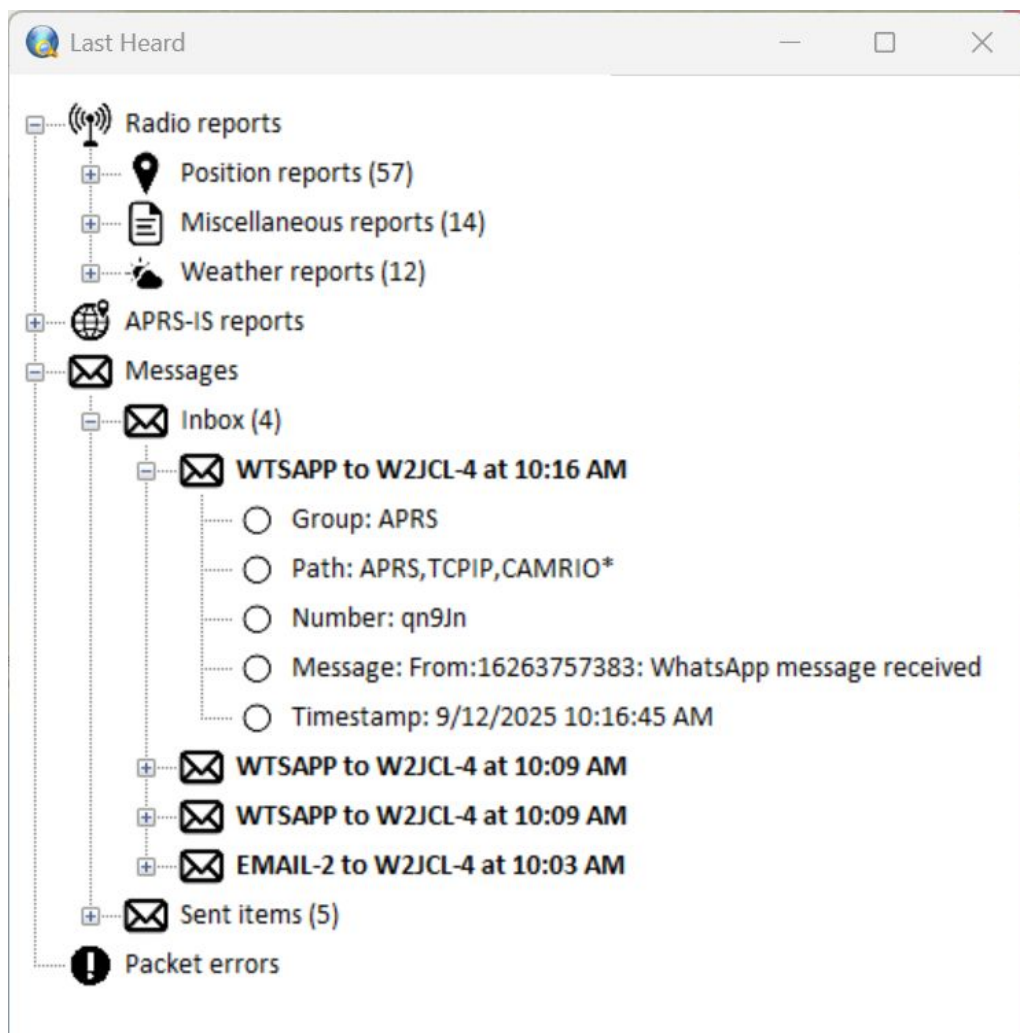
Message: **Testing APRS to
WhatsApp**

You can reply within 60 minutes.
You are limited to 50 characters.
To ban this call sign from contacting you, reply with '#ban W2JCL-4'.
To un-ban a call sign, reply with '#unban (call sign).'

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

Received via APRS Radio
by WTSAPP Gateway
<https://wtsapp.org>
Please add this number as
a contact to help against
banning

APRS: WTSAPP



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](mailto:@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>

 Reply

 Forward



10:00 AM (0 minutes ago)



Message



Send

Reply

Forward

Delete

From... W2JCL-4

Characters remaining 26

To... EMAIL-2

Message number 4

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

Message

Send Reply Forward Delete

From... W2JCL-4 Characters remaining 62

To... WXBOT Message number 5

Send via ☒ RF ☐ APRS-IS

91030|

Last Heard

- Radio reports
 - Position reports (58)
 - Miscellaneous reports (14)
 - Weather reports (12)
- APRS-IS reports
- Messages
 - Inbox (5)
 - WXBOT to W2JCL-4 at 10:19 AM
 - Group: APRS
 - Path: APRS,TCPIP,CAMRIO*
 - Number: PU
 - Message: 2 Miles NNW Alhambra CA. Today,Becoming Sunny High 81
 - Timestamp: 9/12/2025 10:19:14 AM
 - WTSAPP to W2JCL-4 at 10:16 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 (6)
- Packet errors

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/>
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