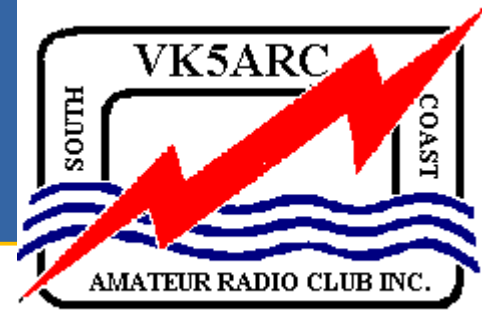


# Adelaide Packet Radio Local Area Network (LAN)



**Setup:** Rpi, TNC, Radio

Port: 1 RF (VHF) 144.700 1200bd AFSK

Port: 2 telnet user access

Port: 3 AXIP/UDP (ax25 over IP)

**Located:** VK5RSV (O'Halloran Hill)

VK5LEX (Modbury)

VK5MAR (Woodcroft)

**Services:** Node, BBS, Chat, Files, RMS.

Created by: Stef VK5HSX, Tony VK5AH, Dave VK5LEX, Martin VK5MAR.

Support from: Members of SCARC.

# Local Area Network Setup

**South**

Forwarding  
Partners  
Nodes/ Mail  
via AXIP UDP

Winlink  
RMS

**North**

Forwarding  
Partners  
Nodes/ Mail  
via AXIP UDP

ADLS2:VK5RSV-3  
LinBPQ32 Node  
144.700  
telnet rsv.thadav.com:8010  
http://rsv.thadav.com:8008

MARNOD:VK5MAR-3  
LinBPQ32 Node  
144.700  
Telnet  
mar.thadav.com:8010  
http://mar.thadav.com 8008

ADLN2:VK5LEX-3  
LinBPQ32 Node  
144.700  
telnet lex.thadav.com:8010  
http://lex.thadav.com:8008

APRS

VK5AH-2  
144.700  
TNC/Radio

Local Digipeaters  
144.700  
TNC/Radio

Users access LAN over  
RF 144.700 (via Digi)

# Nodes & Aliases

## Packet Nodes [Alias:Callsign]

ADLS3:VK5RSV-3 BPQ NETROM Node

ADLSCH:VK5RSV-4 BPQ Chat Node

ADLSBB:VK5RSV-5 BPQ BBS Node

ADLN3:VK5LEX-3 BPQ NETROM Node

ADLNCH:VK5LEX-4 BPQ Chat Node

ADLNBB:VK5LEX-5 BPQ BBS Node

MARNOD:VK5MAR-3 BPQ NETROM Node

MARBBS:VK5MAR-5 BPQ BBS Node

ADLRMS:VK5MSR-10 Winlink RMS

## Connecting to Nodes

C ADLS3 (using ALIAS)

C VK5RSV-5 (using CALLSIGN)

C ADLRMS v VK5LEX-2 (via Digi)

C VK5MAR-10 v VK5ARC-2 (via Digi)

# What is it and what can you do?

## **Adelaide Local Area Network – Series of RF Connected Nodes and Users.**

- Messaging & BBS – Send & Recv Mail, Bulletins & Files.
- Chat Server – Converse with text messages.
- NETROM Node – Connect various nodes with services.
- Winlink RMS – Send & Receive Emails/Attachments.
- User Access - via RF, telnet & http access to Nodes.
- Additional Nodes – If you have service connect it up.
- Emergency Use – Local Msg & Mail (Infra Fail – if you have Power).
- Plus whatever else suitable for needs...

# What do you need for RF?



- Same setup APRS – TNC or 1200bd AFSK device.
- Radio & Antenna – 144.700 (Vertical Polarised)
- Software – OS & Client (QtTermTCP, Easyterm, etc).
- Connect – Directly ie. *C VK5RSV-3* or *C VK5RSV-3 v VK5ARC-2 (via Digi)*



# What does it look like?

```
ADLS3:VK5RSV-3} Connected to BBS
[BPO-6.0.24.40-B2FWIHJM$]
Hello Stef. Latest Message is 11924, Last listed is 19
VK5RSV Adelaide South LAN BBS>
ll 15
11924 31-Jul B$ 11790 DX @WW LU9DCE DX OPERATION 31-JUL24
11923 31-Jul B$ 1897 TODAY @WW KF5JRV Today in History - Jul 31
11922 31-Jul B$ 15090 ALERT @WW LU9DCE STORM PREDICTION CENTER 31-JUL24
11921 31-Jul B$ 6785 ARCH @WW LU9DCE ARCHLINUX UPDATES 31-JUL24
11920 31-Jul B$ 4572 LINUX @WW LU9DCE LINUX TODAY 31-JUL24
11919 31-Jul BN 39 SCARC @VK5 VK5MAR Test email via packet rf transmittion
11918 31-Jul B$ 7763 NEWS @WW LU9DCE NEW FLATHUB 31-JUL24
11917 31-Jul B$ 1809 EQUAKE @WW CX2SA (M5.3) South Sandwich Islands region -55.3 -29.0
11916 31-Jul B$ 1405 EQUAKE @WW LU9DCE EARTHQUAKE 31-JUL24
11915 31-Jul PK 352 WP @VK5RSV N9SE0 WP Update
11914 30-Jul BN 3741 ALL @GBR MM0UHR Brandmeister TG 235419 Packet Net - 2024-07-30
11913 31-Jul PK 218 WP @VK5RSV GB7RJJ WP Update
11912 31-Jul PK 180 WP @VK5RSV K1AJD WP Update
11911 30-Jul BN 3001 KEP @ARL NC8Q ARLK055 Keplerian data
11910 30-Jul B$ 1741 EQUAKE @WW CX2SA (M5.1) eastern Greenland 78.4 -19.7
VK5RSV Adelaide South LAN BBS>
```

# No RF?

## **VK5RSV-3 Node – Contact Stef [vk5hsx@scarc.org.au](mailto:vk5hsx@scarc.org.au)**

- Connect via telnet rsv.thadav.com 8010 (pwd login)
- Connect via <http://rsv.thadav.com:8008> (pwd login)

## **VK5LEX-3 Node – Contact Dave [vk5lex@scarc.org.au](mailto:vk5lex@scarc.org.au)**

- Connect via telnet lex.thadav.com 8010 (pwd login)
- Connect via <http://lex.thadav.com:8008> (pwd login)

# What does it look like?

## BPQ32 Node VK5RSV-3

[Routes](#) [Nodes](#) [Ports](#) [Links](#) [Users](#) [Stats](#) [Terminal](#) [Driver Windows](#) [Stream Status](#) [Mail Mgmt](#) [WebMail](#) [Chat Mgmt](#) [SYSOP Signin](#) [Edit Config](#) [View Logs](#)

### VK5RSV Webmail Interface - User VK5HSX - Message List

[Bulls](#) [Personal](#) [NTS](#) [All Types](#) [Mine](#) [Auto Refresh](#) [Send Message](#) [Logout](#) [Node Menu](#)

#	Date	XX	Len	To	@	From	Subject
<a href="#">398</a>	09-Oct	PN	174	VK5HSX		SYSTEM	Housekeeping Results
<a href="#">397</a>	08-Oct	BF	1827	EQUAKE	WW	CX2SA	(M5.1) Izu Islands, Japan region 29.8 140.0
<a href="#">396</a>	08-Oct	BF	1827	EQUAKE	WW	CX2SA	(M5.4) Izu Islands, Japan region 29.8 140.0
<a href="#">395</a>	08-Oct	BF	1878	EQUAKE	WW	CX2SA	(M5.0) Izu Islands, Japan region 29.8 140.0
<a href="#">394</a>	08-Oct	BF	1827	EQUAKE	WW	CX2SA	(M5.3) Izu Islands, Japan region 29.8 140.0
<a href="#">393</a>	08-Oct	BF	2028	EQUAKE	WW	CX2SA	(M5.9) Bismarck Sea -3.2 148.4
<a href="#">392</a>	08-Oct	BF	7884	NEWS	WW	EI2GYB	IRTS Radio News Bulletin Sunday October 8th, 2023
<a href="#">391</a>	08-Oct	BF	2703	SWL	WW	KA3BVJ	Shortwave RadioGram
<a href="#">390</a>	08-Oct	BF	969	HUMOR	WW	LU9DCE	FORTUNE 08-OCT23
<a href="#">389</a>	08-Oct	BF	8544	DXNEWS	WW	LU9DCE	DX NEWS 08-OCT23
<a href="#">388</a>	08-Oct	BF	2940	ALL	WW	LU9DCE	WTR SPACE INDICES 08-OCT23
<a href="#">387</a>	08-Oct	BF	13551	DX	WW	LU9DCE	DX OPERATION 08-OCT23
<a href="#">386</a>	08-Oct	BF	2510	TECH	WW	G8MNY	LED as a mains NEON
<a href="#">385</a>	08-Oct	BF	3268	TECH	WW	G8MNY	LED Lights
<a href="#">384</a>	08-Oct	BF	1850	EQUAKE	WW	CX2SA	(M5.0) Tarapaca-Antofagasta border region, Chile -21.2 -69.6
<a href="#">383</a>	08-Oct	BF	3777	TODAY	WW	KF5JRV	Today in History - Oct 08
<a href="#">382</a>	08-Oct	BF	2171	AI FRT	WW	LU9DCE	STORM PREDICTION CENTER 08-OCT23



# Nodes Lists (NETROM)

## BPQ32 Node VK5RSV-3

<a href="#">Routes</a>	<a href="#">Nodes</a>	<a href="#">Ports</a>	<a href="#">Links</a>	<a href="#">Users</a>	<a href="#">Stats</a>	<a href="#">Terminal</a>	<a href="#">Driver Windows</a>	<a href="#">Stream Status</a>	<a href="#">Mail Mgmt</a>	<a href="#">WebMail</a>	<a href="#">Chat Mgmt</a>	<a href="#">SYSOP Signin</a>	<a href="#">Edit Config</a>	<a href="#">View Logs</a>
------------------------	-----------------------	-----------------------	-----------------------	-----------------------	-----------------------	--------------------------	--------------------------------	-------------------------------	---------------------------	-------------------------	---------------------------	------------------------------	-----------------------------	---------------------------

[Nodes Sorted by Alias](#) [Nodes Sorted by Call](#) [Nodes with traffic](#)

### Nodes sorted by Alias

<a href="#">.:ROMEGW</a>	<a href="#">#EUCHT:PE1NNZ-4</a>	<a href="#">#EUCON:PE1NNZ-14</a>	<a href="#">#HUB:PE1NNZ-3</a>	<a href="#">#USECH:K80PG-14</a>
<a href="#">#USWCH:WA3WLH-14</a>	<a href="#">#USWST:WA3WLH-15</a>	<a href="#">2RZBBS:VK2RZ-1</a>	<a href="#">2RZBPQ:VK2RZ-7</a>	<a href="#">2RZCHT:VK2RZ-4</a>
<a href="#">2RZCON:VK2RZ</a>	<a href="#">2RZRMS:VK2RZ-10</a>	<a href="#">5ARC2:VK5ARC-2</a>	<a href="#">5WIE2:VK5WIE-2</a>	<a href="#">AABCHT:IR0AAB-4</a>
<a href="#">AABRMS:IR0AAB-10</a>	<a href="#">ADLN3:VK5LEX-3</a>	<a href="#">ADLNBB:VK5LEX-5</a>	<a href="#">ADLNCH:VK5LEX-4</a>	<a href="#">ADLRMS:VK5MAR-10</a>
<a href="#">ADLSBB:VK5RSV-5</a>	<a href="#">ADLSCH:VK5RSV-4</a>	<a href="#">ARAPY:CX2SA-7</a>	<a href="#">ARMNTH:N9SE0-3</a>	<a href="#">ARPBBS:W0ARP-1</a>
<a href="#">ARPRMS:W0ARP-10</a>	<a href="#">BAUNOD:ZL2BAU-3</a>	<a href="#">BAXBBS:N9SE0-1</a>	<a href="#">BAXCHT:N9SE0-13</a>	<a href="#">BAXDX:N9SE0-2</a>
<a href="#">BAXRMS:N9SE0-10</a>	<a href="#">BAXURO:N9SE0-7</a>	<a href="#">BBS:ON0AR</a>	<a href="#">BBSCGR:VE3CGR-1</a>	<a href="#">BBSGAT:ON0AR-10</a>
<a href="#">BCXBBS:YD0BCX-3</a>	<a href="#">BCXCHT:YD0BCX-4</a>	<a href="#">BCXCNV:YD0BCX-11</a>	<a href="#">BCXNET:YD0BCX</a>	<a href="#">BCXRMS:YD0BCX-10</a>
<a href="#">BCXWAL:YD0BCX-2</a>	<a href="#">BEDNOD:GB7BED-5</a>	<a href="#">BEX:GB7BEX-7</a>	<a href="#">BEXBBS:GB7BEX</a>	<a href="#">BEXCHT:GB7BEX-4</a>
<a href="#">BEXDX:GB7BEX-9</a>	<a href="#">BILBBS:PY2BIL-1</a>	<a href="#">BILCHT:PY2BIL-2</a>	<a href="#">BILNOD:PY2BIL-4</a>	<a href="#">BILRMS:PY2BIL-10</a>
<a href="#">BLUBBS:N1RCW-1</a>	<a href="#">BLUCHT:N1RCW-2</a>	<a href="#">BLUDXC:N1RCW-4</a>	<a href="#">BLUFTN:N1RCW-7</a>	<a href="#">BLURMS:N1RCW-10</a>
<a href="#">BORBBS:PA8F-1</a>	<a href="#">BORCHT:PA8F-4</a>	<a href="#">BORNOD:PA8F-2</a>	<a href="#">BORRMS:PA8F-10</a>	<a href="#">BORWAL:PA8F-3</a>
<a href="#">BPQBBS:G8BPQ-3</a>	<a href="#">BPQBBS:VA3TOK</a>	<a href="#">BPQCGR:VE3CGR-7</a>	<a href="#">BPQTOK:VE3TOK-12</a>	<a href="#">BWTND:F4BWT</a>
<a href="#">CDRPRK:KI5HMI-3</a>	<a href="#">CGRCHT:VE3CGR-11</a>	<a href="#">CHLQSO:W8BAP-6</a>	<a href="#">CIPOUT:GB7CIP-13</a>	<a href="#">CLMBBS:K3CLM-1</a>
<a href="#">CLMNOD:K3CLM-7</a>	<a href="#">CLTBBS:W4BFB-9</a>	<a href="#">CLTRC:W4BFB-10</a>	<a href="#">COAST:GB7COW-3</a>	<a href="#">COHUBA:WA0R-7</a>
<a href="#">CORLEY:GB7COV-11</a>	<a href="#">COSBBS:KE0GB-1</a>	<a href="#">COSCHT:KE0GB-11</a>	<a href="#">COSCO:KE0GB-7</a>	<a href="#">COSRMS:KE0GB-10</a>
<a href="#">COWBPQ:GB7COW-1</a>	<a href="#">CSNODE:GB7NDH-2</a>	<a href="#">CTCBBS:K1AJD-7</a>	<a href="#">CTCHAT:K1AJD-5</a>	<a href="#">CTCRMS:K1AJD-10</a>
<a href="#">CTNODE:K1AJD-4</a>	<a href="#">CVCHAT:GB7COV-5</a>	<a href="#">DATBBS:K5DAT-1</a>	<a href="#">DATCHT:K5DAT-11</a>	<a href="#">DATKEY:K5DAT</a>
<a href="#">DAYCHT:NC8Q-4</a>	<a href="#">DCEBBS:LU9DCE</a>	<a href="#">DCECHT:LU9DCE-5</a>	<a href="#">DCENOD:LU9DCE-4</a>	<a href="#">DEVCHT:GB7COW-11</a>
<a href="#">DM4BBS:DM4RW-3</a>	<a href="#">DM4CHT:DM4RW-4</a>	<a href="#">DM4NOD:DM4RW-7</a>	<a href="#">DM4RMS:DM4RW-10</a>	<a href="#">DXCPGT:IW8PGT-9</a>
<a href="#">ECLNOD:LU4ECL-4</a>	<a href="#">EHQONOD:VK2EHQ-2</a>	<a href="#">EGGHUB:OE1EKG-7</a>	<a href="#">FDKMD:N3HYM-5</a>	<a href="#">FWABBS:W9LCF</a>
<a href="#">FWDBBS:ON0AR-7</a>	<a href="#">GMCHT:W9GM-11</a>	<a href="#">GWCONV:I00JJ-4</a>	<a href="#">GWNOD:2E1GW-5</a>	<a href="#">GWPMS:2E1GW-6</a>

# Demonstration using Packet Client

I have a setup here with Laptop, Radio & TNC.

Show examples of connecting to Nodes, BBS, Winlink etc.

You are welcome to try the station for yourself.

You are welcome to try HTTP login using browser.

You are welcome to try telnet login using terminal.

# Questions?

- Any questions ?
- More information from <http://scarc.org.au/packet>

For a list of Node user commands

<https://www.cantab.net/users/john.wiseman/Documents/NodeCommands.html>

For a list of BBS user commands

<https://www.cantab.net/users/john.wiseman/Documents/BBSUserCommands.html>

We wish to thank everyone and hope many hams use and support its operation.