



FIVE AND NINE PLUS

THE OFFICIAL NEWSLETTER OF THE APPLEDORE AND DISTRICT AMATEUR RADIO CLUB

Club Callsigns: G2FKO and GX2FKO

Website: www.adarc.co.uk

CLUB OFFICERS

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EDITORIAL

August Meeting Review

The August meeting, which fell in the middle of the holiday period, was a Bring and Buy / Natter Night. The meeting was sparsely attended, but nevertheless, some great bargains were on display.

September Talk

The September talk will be given by Chris G0FJY entitled "LoRa Modulation and Its Uses". LoRa (Long Range) is the technology used for smart metering, water/electricity monitoring, and more. It is also the signaling method used by amateur and enthusiast operators for the MeshTashtic and MeshCore messaging technologies that have recently taken off. I'm certainly looking forward to the talk. We are hoping to stream the talk to the club's YouTube channel.

Railways on the Air Weekend

The last week in September is Railways on the Air weekend. Feedback for last year's event was that although we made a large number of QSOs, we were told by other club members that many calls made to the station went unanswered due to the high electrical noise level present at the East-the-Water, Bideford Station site. We are still investigating possible alternative locations and hope to confirm the location at Monday's meeting.

73

Mike (G4KXQ)

CLUB PROGRAM

Sept 21 st 2026	LoRa Modulation and Its Uses	Chris G0FJY
Sept 26-27 th 2026	Railways on The Air	Venue TBC
Oct 19 th 2026	Club Quiz Night	
Nov 16 th 2026	Shack Remote Operations	John G3JKL
Dec 14 th 2026	Christmas Party	
Jan 18 th 2027	External speaker	TBC
Feb 15 th 2027	On-Line Talk – Portable Antennas	Colin MM0OPX
Mar 15 th 2027	Annual General Meeting	

DIGITAL VOICE MODES

One feature of amateur radio operation over the last 10 years has been the proliferation of VHF/UHF digital voice modes such as DMR, C4FM, and D-Star. In theory, none of them are interoperable, but you can achieve cross-mode functionality using hotspots or multimode gateways. One thing that is making a comeback is the use of AllStar. AllStar only requires an inexpensive FM transceiver. Local node functionality can be achieved using the addition of a simple single-board computer such as a Raspberry Pi.

I recently came across an application called QSO One, available for PCs and Android. This application aims to provide access to these various analogue and digital voice modes without the purchase of multiple expensive rigs. I've included a short introduction to QSO One at the end of the newsletter.

LOCAL NETS

2m Elevenes FM Net: Mon/Wed/Fri :
11 - 12.00 noon via GB3DN Net Control ; Mike (G3PGA)

Friday Night 2m Net: Friday : 145.450 FM, 8 -9pm

Sunday Top Band Net: Sunday 1.860 MHz
9.30 - 10.15am, (LSB - 32W pep max)

2m SSB Nets: Wed: 8 - 9pm 144.260MHz USB SSB (Vertical polarised)
Sun: approx 10.30am (follows Top Band Net) 144.260MHz USB SSB (Vertical polarised)

Sunday FM Net: Sunday: 11 to noon via GB3DN
Net Control : Chris (G0FJY)

Note :- FM Nets which use GB3DN as shown above will continue despite the recent changes. GB3DN is disconnected from the Wires-X/ Southern England Room just before the listed start and end of each FM Net

DX NEWS - NG3K DXpeditions (18 September – 14 October)

Start Date	End Date	DXCC Entity	Callsign	QSL Via	Details / Operators
25/08/2026	10/10/2026	Namibia	V51WH	DK2WH	By DK2WH from near Omaruru; 160-6m (incl 60m); QRV as V55Y in CQWW RTTY Contest.
01/09/2026	19/09/2026	Nepal	9N	LoTW	By OM0GA as 9N/OM0GA from Kirtipur; 40-10m; QSL via Club Log OQRS.
09/09/2026	30/09/2026	St Kitts & Nevis	V4	LoTW/ K0YA	By K0YA as V47YA and W5RCX as V47RCX from St Kitts I; 160-6m; CW, SSB, FT8.
18/09/2026	26/09/2026	Curacao	PJ2	K5SL	By K5SL as PJ2/K5SL; 40-17m; CW; mornings and late afternoons.
19/09/2026	26/09/2026	Reunion	FR	?	By F1TEQ as FR/F1TEQ from IOTA AF-016; HF.
20/09/2026	10/10/2026	Maldives	8Q7JH	LoTW	By DJ3JH from Thulhagiri I (IOTA AS-013); 20, 15, 10m; CW, SSB, FT8; verticals; QSL via DJ3JH.
21/09/2026	12/10/2026	Samoa	5W0AF	LoTW	By SP5EAQ from Apia; 40-10m (perhaps 80m); SSB.
23/09/2026	29/09/2026	Bermuda	VP9I	LoTW	By N7NU, WJ7R, K7AR @VP9GE; CQWW DX RTTY; QRV as N7NU/VP9; HF; SSB, CW, digital.
24/09/2026	06/10/2026	Ogasawara	JD1	LoTW / J11LET	By JA1UII as JD1BON, J11LET as JD1BOK, JE1NVD/JD1, J11CRM/JD1 from Chichijima I; 160-6m.
25/09/2026	28/09/2026	Mariana Is.	KH0	LoTW	By JR1FKR as KH0/JR1FKR; 40, 20, 17, 15, 10, 6m; SSB, FT8, RTTY; holiday style.
26/09/2026	30/09/2026	Mayotte	FH	?	By F1TEQ as FH/F1TEQ from IOTA AF-027; HF.
30/09/2026	11/10/2026	Dem. Rep. Congo	9T0MD	LoTW	By MDXC Team; 160-6m; SSB, CW, FT8, RTTY; QSL via IK2VUC.

01/10/2026	31/10/2026	Juan Fernandez Is.	XR0Z	LoTW	By CE3VTZ, XQ7I from Alexander Selkirk I (IOTA SA-101) for 10 days in Oct; 160-6m; CW, SSB, FT8; QSL via M0UXR.
05/10/2026	25/10/2026	Somalia	6O2M	LoTW	By OG2M from Garowe, Puntland; 40-10m; SSB, CW; spare time operation.
07/10/2026	17/10/2026	Iceland	TF	M0URX	By PD9DX as TF/PD9DX; HF; SSB, FT8, FT4; QRV for Scandinavian Activity Contest, SSB.
07/10/2026	21/10/2026	Solomon Is.	H49A	LoTW	By 9A3MR, 9A2NA, 9A3CJY, 9A4WY, 9A7Y, DK8ZZ from Guadalcanal I (IOTA OC-047); HF + 6m; CW, SSB, FT8; QSL via DK8ZZ.
08/10/2026	30/10/2026	Albania	ZA	LoTW	By AE5X as ZA/AE5X; 20-10m; CW; 10W; holiday style operation.
10/10/2026	12/10/2026	Malta	9H	LoTW	By IK8YFU, IU8GUK, I8YGG, IU8HEP; 80-10m; CW, SSB, FT8, FT4; QSL via IK8YFU direct.

Data courtesy of Ng3K.com DX Operations: 2026

CONTEST CALENDAR - Data Thanks to WA7BNM Contest Calendar

Contest	Start-End (UTC)
ARRL 10 GHz and Up Contest	19/09/2026 06:00 – 20/09/2026 23:59
Scandinavian Activity Contest, CW	19/09/2026 12:00 – 20/09/2026 11:59
Washington State Salmon Run	19/09/2026 16:00 – 20/09/2026 23:59
BARTG Sprint PSK63 Contest	20/09/2026 17:00 – 20/09/2026 20:59
CQ Worldwide DX Contest, RTTY	26/09/2026 00:00 – 27/09/2026 23:59
AGCW Simplex Contest	27/09/2026 13:00 – 27/09/2026 16:00
Oceania DX Contest, SSB	03/10/2026 06:00 – 04/10/2026 06:00
Russian World Wide Digital Contest	03/10/2026 12:00 – 04/10/2026 11:59
IARU Region 1 UHF/Microwave Contest	03/10/2026 14:00 – 04/10/2026 14:00
Oceania DX Contest, CW	10/10/2026 06:00 – 11/10/2026 06:00
Scandinavian Activity Contest, SSB	10/10/2026 12:00 – 11/10/2026 11:59

LOCAL REPEATERS/GATEWAYS

GB3XM – UHF DMR Repeater - Brayford

TX 439.5625 MHz RX 430.5625

Colour code 1, Slot 1 Talkgroup 9 local and direct dial, Slot 2 South West Cluster

GB7MX – VHF FM Tiverton (*QRP, Solar powered*)

TX 145.075, RX 145.575, Tone 77Hz – Keeper Steve M0ZZT

GB7MZ UHF DMR Repeater - Tiverton, (*daylight hours solar powered*)

TX 439.5625 MHz RX 430.5625

Colour code 1, Slot 1 Bradmeister Talkgroup 91. Keeper Steve M0ZZT

GB3ND UHF DMR Repeater - Holsworthy Beacon TX 439.7375 RX 430.7375 Colour code 1
Slot 1 local RF, Slot 2 SW Cluster Keeper G1BHM

GB3DN VHF FM/C4FM Repeater - Stibb Cross

Tone 77Hz (for analogue FM) TX 145.6375 RX 145.0375, Default Digital Connection : Wires-X Southern Fusion Keeper Tony G1BHM

GB7FB UHF DMR Repeater - Bideford TX 439.475 RX 430.4750 Colour code 5 Slot 1 Local
RF/DoD Slot 2 SW Cluster . Keeper Drew M0MFS

GB3LZ VHF FM/C4FM Repeater - Winkleigh

Tone 77Hz (for analogue FM) TX 145.6625 RX 145.0625, Digital Connection :
Wires-X SOUTHERN ENGLAND. Keeper Phil G6DLJ

GB7LZ UHF DMR Repeater - Winkleigh

TX 430.9125 RX 438.5125 Colour code 1, Slot 1 Talkgroup 9 local and direct dial, Slot 2 South West Cluster.
Keeper G4MQQ

GB7TG - UHF DMR Repeater - Wembworthy

TX 430.9750 RX 438.5750 Colour Code 7, Default Connection : Slot 1 Local/DoD Slot 2 SW Cluster Keeper
G7SOJ

GB3NX VHF FM Allstar Holsworthy Beacon TX 145.7375 RX 144.1375. CTCSS tone 77hz Connection
SW AllStar network (SWAN). Wires-X default room: Southern-Fusion, Keeper G1BHM

GB7BU (was GB3BU)- UHF DMR Repeater - Bude

TX 430.9625 RX 438.5625 Colour Code 1

Default Connection: Slot 1 Local/DoD Slot 2 SW Cluster Keeper G1BHM

GB3JH – UHF Analogue Repeater – Tiverton

TX 430.8625 RX 438.4625, Tone 77Hz – Keeper G6ASK

GB3MD – UHF Analogue Repeater – Coldridge, Mid Devon

TX 430.850 RX 438.450, Tone 77Hz – Keeper G4PKZ

South West All Star Network (SWAN HUB)

Frequencies are those transmitted and received by the Repeater .

QSO One — ONE APP, EVERY NETWORK

If you've ever wished you could reach AllStarLink, EchoLink, DMR, Yaesu Fusion, M17, and IAX repeaters without juggling five different programs (or building a Pi-based node just to get on the air), a newer application called QSO One is worth a look. It's been picking up attention in ham forums and podcasts recently as a genuinely simpler way to get on digital voice networks — so this issue takes a closer look at what it does, what it looks like in use, and who it's a good fit for.

What It Does

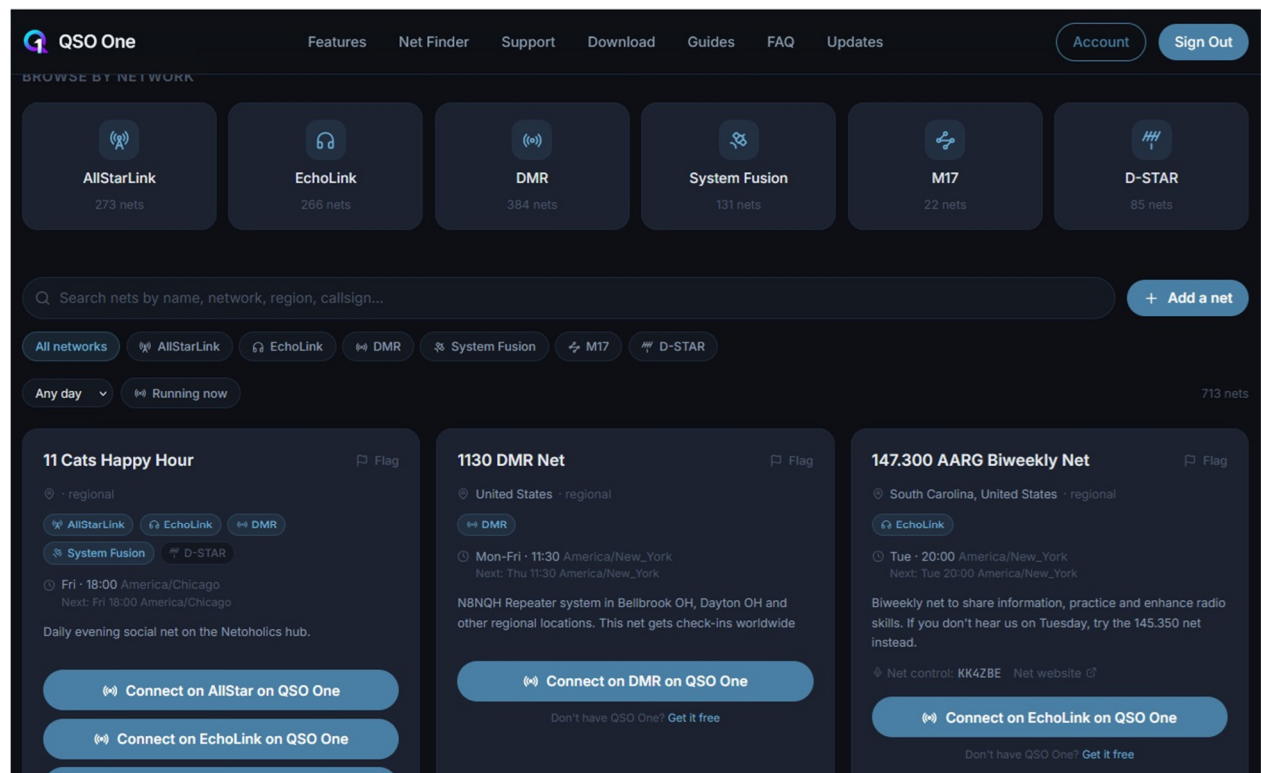
QSO One is an all-in-one client that puts multiple amateur radio networks behind a single, consistent interface — no radio hardware required. From your desk, with nothing more than a headset and an internet connection, you can connect to:

- AllStarLink nodes
- EchoLink stations and conferences
- DMR talkgroups on BrandMeister, TGIF, and FreeDMR
- Yaesu Fusion reflectors
- M17 reflectors
- IAX repeaters

The appeal is consolidation. Traditionally, getting on a network like AllStarLink meant assembling a Raspberry Pi, radio interface hardware, a Linux install, and network port forwarding — plus the patience to troubleshoot all of it. QSO One collapses that setup into an app you can install and use in minutes, and because every network shares the same connection screen, station list, and push-to-talk control, you only have to learn the interface once.

Handy Features for Operators

- Net Finder — browse scheduled nets across every supported network, filter by mode or day, and set reminders so you don't miss one.

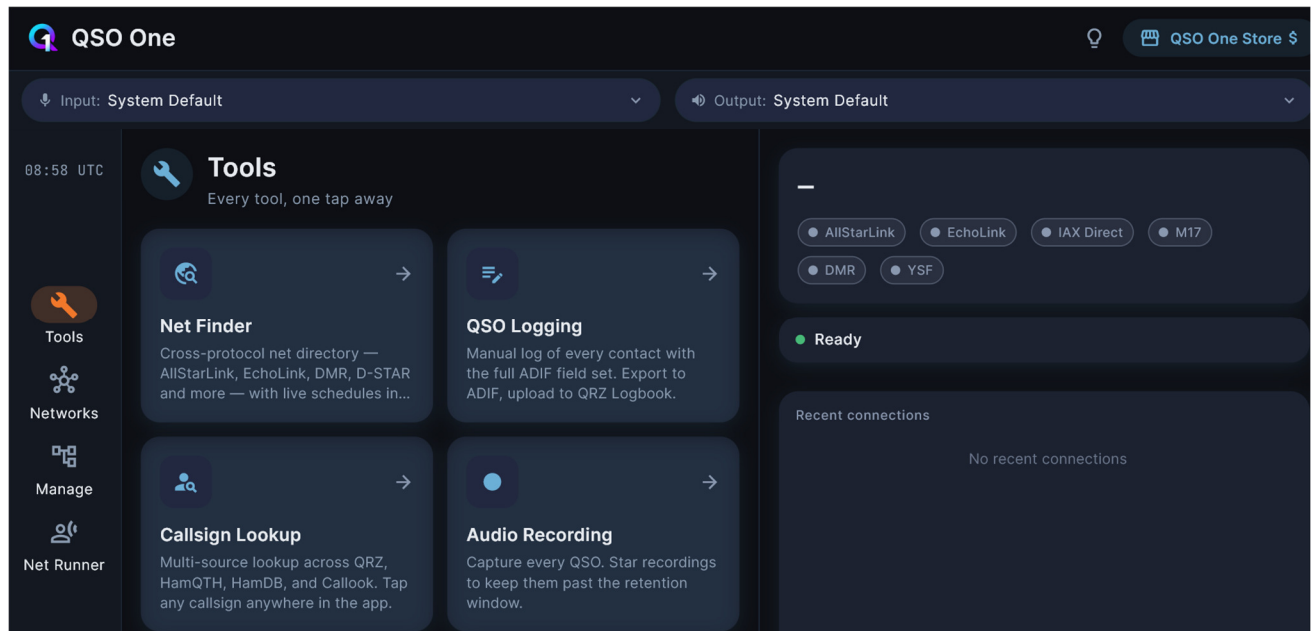


- Live Station Lists — see who's keyed up in real time, with one-click callsign lookups and a map showing operator locations.

- Built-In Logging — log contacts as you make them, with QRZ and HamQTH auto-filling station details.

Live station list and map view: see who's active and where they're operating from .

Built-in logging with automatic QRZ/HamQTH lookups.



Getting Started

- Download the app for Windows from qso1.net or Android from Google Play Store
- Create a free account and enter your callsign — no license verification hoops beyond the basics.
- Pick a network from the built-in directory and connect with one click; no port forwarding or Pi required.
- Browse Net Finder to find a scheduled net happening soon and just listen in before jumping on the air.

Who It's For

QSO One is aimed squarely at operators who want flexibility — whether that's a ham without local repeater coverage, someone traveling without their station gear, or anyone curious about digital voice modes without committing to dedicated hardware for each network. It's available for Windows and Android, with more detail at qso1.net.

Worth Trying

Digital voice networking has always had a bit of a learning curve, with each network historically requiring its own client, its own quirks, and often its own hardware. QSO One's pitch — one app, one interface, every major network — is a meaningful simplification, and it's gaining attention in the ham community as a low-barrier way to get connected. If you've been putting off trying AllStarLink or M17 because the setup felt daunting, this might be the easiest on-ramp yet.