

# DORSET AMATEUR RADIO SOCIAL NETWORK

Technical Supplement

November 2025

[www.darsn.co.uk](http://www.darsn.co.uk)

Welcome to our first edition of the Technical supplement Newsletter. If you have an article you would like to see here, the contact details are at listed in the "Contact" section below.



We all owe a huge thank you to Lindsay (2E0VDD) and Bill (2E0WEG) who had the idea of starting this Social network earlier in 2025. The enthusiasm and energy that they have both put in has been an example to us all. I therefore offered to make a Monthly "Technical Supplement" to help take some of the workload from them both. Lindsay and Bill are quite busy and every offer of help means that they can spend their spare time furthering the events scene. Thank you Lindsay and Bill.



Lindsay - 2E0VDD  
Secretary / Treasurer



Bill - 2E0WEG  
Chairman



Tim - 2E0TPH  
Editor

## Events in November

15<sup>th</sup> November 2025  
Worlds End Pub  
Almer

Meet up from 12 noon.

<https://worldsendalmer.co.uk/>

## Nets

Monday 145.375 FM  
Tuesday 70.375 FM  
Wednesday 144.375 SSB  
Thursday Zoom Session

All details can be found on the  
DARSN Facebook page.

[https://facebook.com/  
@dorsetamateurradiosocialnetwork](https://facebook.com/@dorsetamateurradiosocialnetwork)

## Contact Us:

Lindsay  
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[www.darsn.co.uk](http://www.darsn.co.uk)

Bill  
(Via Lindsay)

Tim  
[admin@wavewizards.org](mailto:admin@wavewizards.org)  
[www.wavewizards.org](http://www.wavewizards.org)

## DX NEWS for November

Start	End	Location	Call
01/11/25	06/11/25	Palau	T88HR
01/11/25	22/11/25	Falkland Is	VP8THW
03/11/25	07/11/25	Cyprus	ZC4RH
03/11/25	20/11/25	Chatham I	ZL7/LZ1GC
03/11/25	27/11/25	Lesotho	7P8EA
15/11/25	21/11/25	Tuvalu	T2JK
17/11/25	23/11/25	St Kitts & Nevis	V47JA
20/11/25	30/11/25	San Andres I	5J0EA
20/11/25	03/12/25	Bonaire	PJ4KV
20/11/25	31/12/25	Namibia	V51WH
22/11/25	05/12/25	Vanuatu	YJ0GC
24/11/25	04/12/25	Bermuda	VP9/WE9G
25/11/25	03/12/25	Cambodia	XU7RRC
25/11/25	05/12/25	Bhutan	A52AA
30/11/25	12/12/25	St Martin	TO9W

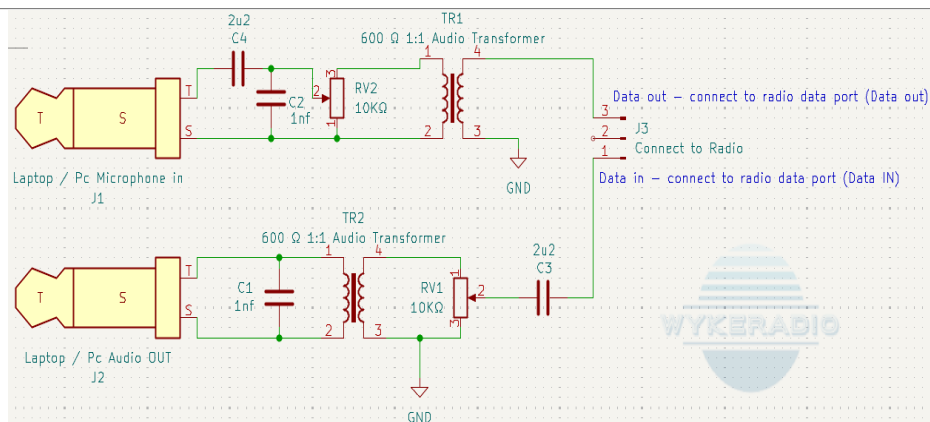
## Your Projects Wanted !

Have you got a project that you would like to share with us?

You can submit articles / projects for inclusion here by sending them to the Editor.

Submissions should be tested and be of your own work. We cannot and will not publish anything we feel is Copyrighted material. Anything is considered.

## Digital Modes Interface



A simple, cost effective Digital Modes Interface.

Designed with simplicity in mind, the above interface only lacks PTT control, which we will visit in a later article.

To get the best results from this one, set your radio to VOX and send the data from your application. Adjust the 10KΩ pots for the correct receive and transmit levels. It's always best to avoid clipping or over driving the signal, especially going to the radio.

I used this circuit many times with a basic receiver to obtain SSTV pictures on 14.230Mhz when I have been unable to use a proper transceiver.

With the advent and advances in mobile phone applications, you can be excused for thinking "What's the point" but sometimes it's nice to leave the tech behind and get back to basics. Let me know if you try this circuit and let me know how you got on. Did you need to change anything in order for it to work?

Contact details on the bottom right of the front page.

**SPECIAL**



**SPECIAL**

**NET CONTROLLER  
CERTIFICATE OF APPRECIATION**

AWARDED TO

**2E0TPH/M3YTQ**

**Operating at IO80RQ**

With grateful thanks for your contribution to 145 Alive as a Net Controller

**11<sup>th</sup> October 2025**



*Mark Savage*  
Mark Savage  
MOXIC

*John Alexander*  
John Alexander  
MOXJA

The Editor would like to thank John (M3YTQ), bottom left and Reece (M7DVX) center, for their continued efforts in helping out with not only the 145Alive events but for contributing towards the general spirit of Amateur Radio in general. Thank you to both of you.

For those who do not know, Reece was on scene with a backup radio when my trusty workhorse FT-7900 developed an audio fault.

Reece turned up with 5 minutes to spare before we ended up working 63 stations. John has always been keen to assist in logging the contacts, in particular grabbing the locator and WAB squares.





## Server News

Exciting things are happening at wavewizards!

For those who are in the dark, I (2E0TPH) used to run a server called "Wykeradio"

At it's peak during 2009, we were getting around 850 thousand visitors PER DAY. That's a huge amount of visitors checking out the Livelog system that I had written.

Livelog grabbed the last 10 contacts from all the systems connected during the Special Event Callsigns and parsed them to be displayed in near real time on the web server. We were well ahead of the game.

Unfortunately we had to close down operations when the Wyke Regis Training Center closed. Now let's skip forward to 2025 and I got introduced to Dorset Amateur Radio Social Network (DARSN). I created wavewizards.org to cater for the more technically thirsty.

You will find a lot of service manuals for example at:

<https://www.wavewizards.org/service/>

You will also find an online gallery <https://www.wavewizards.org/gallery>

I also took it upon myself to create a Cloudlog server. If you would like to know more about it, email me and I can set you up an account. You can view the public logbook here: <https://www.wavewizards.org/cloudlog/index.php/visitor/2e0tph>

We do have lots of other news and services to present when the time is right. We are working on a lot of things behind the scenes. More information will be released when all the bugs are ironed out.

### Wykeradio.org photos

Sneaky look at the unsuspecting at the training center!



# Wyke Regis Training Centre

Amateur Radio Training Courses  
Ofcom & RSGB Registered Examination Centre.



Closed until further notice

Username:	<input type="text"/>	login
Password	<input type="password"/>	<a href="#">Forgot?</a> <a href="#">New User?</a>







Nev M5NEV (Top), Bedford Bob (M3DPQ)  
Antennas and Tim 2E0TPH

## 4 ON 4



In October we saw Mark (2E0VOV) create a new 4m interest group. (Link Below)  
Mark formed the group to encourage activity on the 4m (70Mhz) band.

The idea is that on the 4<sup>th</sup> day of each month, radio amateurs can take the opportunity to test their kit and make contacts. The kit does not have to be a major outlay with many hams dipping their toes in at the shallow end using the Anytone range of FM transceivers, all the way to the more than capable Icom IC-7100.

Prices start at a very modest £90 for an entry level radio (Picture right)  
A 45watt version can be had for around £130

Antennas can be as simple as a "Flowerpot" or a small beam.  
You can also use a "Hamstick" style antenna which will set you back £20  
<https://moonrakeronline.com/anytone-at-779-4m-transceiver-bundle>  
<https://www.facebook.com/groups/1314545063696888>

We will have more in the December newsletter so keep checking back!

70 MHz (4m)	Necessary Bandwidth	UK Usage (Note 1)
70.000-70.090 MHz	1 kHz	Propagation Beacons only
70.090-70.100	1 kHz	Personal Beacons
70.100-70.250	2.7 kHz	Narrow Band modes 70.185 MHz Cross-band activity centre 70.200 MHz CW/SSB centre 70.250 MHz MS centre
70.250-70.294	12 kHz	All Modes 70.260 MHz AM/FM calling 70.270 MHz MGM centre of activity
70.294-70.500	12 kHz	All modes channelised operations using 12.5 kHz spacing. 70.3000 MHz 70.3125 MHz Digital modes 70.3250 MHz DX Cluster 70.3375 MHz Digital modes 70.3500 MHz Internet voice gateway (Note 2) 70.3625 MHz Internet voice gateway 70.3750 MHz See Note 2 70.3875 MHz Internet voice gateway 70.4000 MHz See Note 2 70.4125 MHz Internet voice gateway 70.4250 MHz FM simplex - used by GB2RS news broadcast 70.4375 MHz Digital modes (special projects) 70.4500 MHz FM calling 70.4625 MHz Digital modes 70.4750 MHz Digital modes 70.4875 MHz Digital modes

Note 1: Usage by operators in other countries may be influenced by restrictions in their national allocations

Note 2: May be used for Emergency Communications and Community Events

LICENCE NOTES: Amateur Service 70.0-70.5 MHz Secondary User: 160W (22dBW) Maximum  
Available on the basis of non-interference to other services (inside or outside the UK).



My first interest in radio started around 1979 when my Dad bought an AM CB. It was exciting, making new friends from people who were once strangers.

Around 1982 or 83 I got my own FM 40 Channel radio. This was my first taste of home brew and as I couldn't afford an antenna, I built a dipole from scrap VHF TV antennas. I then obtained a multimode radio that I could afford, a "Tristar 777". No ordinary Tristar, oh no, this one needed fixing.. A friend I met on the radiowaves became my elmer, guiding me through fault finding the problem and how to fix it. I fitted a new output transistor and I was hooked on multimode which sowed the seed for HAM radio in the future.

Roll on to 2001 I when I came back to radio and passed my Foundation M3 licence I quickly progressed onto an intermediate 2EO. My first HAM radio was a FT857D with an external ATU on a long wire. 2m was still busy back then, I found many new friends through the no longer GB3SC, at that time it had a large footprint and travel time regulars such as G6AKG who still is a great friend now.

I'm no Contester, but do enjoy 2m and 4m contests on a hilltop on a summers evening. I'm a qualified electrician which gives me a free supply of wire which has allowed me to build many, many exotic and weird wire antennas over the years. Due to modern QRM issues, I now operate 95% portable, I'm an avid fan of QRP, I've worked around the world on it. I have a YOUTUBE Channel sharing some of my radio antics and it has 2k Subscribers, i have no idea why I have so many followers, but i appreciate the support. I'm forever grateful for what this hobby has given me and I try to give something back. On that note , I operate a local gateway MB7IPD on 145.2875Mhz simplex 71.9 CTCSS, feel free to use it.

I have started a regular national 4m activity event, "4m on the 4th" of every month, 1900 to 2100. No set mode or frequency, just get out and have fun when everyone else is doing it too. I have a Facebook group promoting 4m activity too "4m radio nation" 70Mhz activity group. Please spread the word. This is a great hobby of science ,learning and most of all making friends.. Enjoy it 73 2e0vov



Mark - 2E0VOV



## Reece M7DVX



My name is Reece and I am 25 years old based just outside of Dorchester. I have been licenced since September 2022. I have always had a keen interest in electronics and communications

My interests in radio began with a pair of Walkie Talkies as a child.

My interests grew when i was about 12, my dad who used to buy and sell cars, brought a car that had a CB radio fitted, we used the CB radio to listen and talk to truck drivers on the M40 just outside Banbury where i grew up.

Once i started driving, i ended up with a CB radio in my car and used it to talk to my friends, at this time i was also starting to learn about Amateur Radio.

I started employment as an Electrician. My boss at the time, Mike Toms (G8NIC) would be the reason I ended up getting licenced. Mike taught me all the basics and antenna design principles and we even built some that worked. Safe to say i was hooked!

I booked my exam and forgot all about it, went away on a Butlins holiday, Checked my emails on the morning i was due home, and saw the reminder! Luckily i got home with a half hour to spare before the start of the exam, I took it and passed.

I was now a foundation holder.

I was active on a few of the local repeaters and set up a rig for mobile use but about a year later due to personal reasons took a break from the hobby and in April of 2025 i rented my own place and went solo.

Moving in, i found all my radio kit and quickly got it set up. I was back on the air for the first time in years. Made some fantastic contacts on 2m simplex. A friend of mine Steven Howes (M7SVN) who passed not long before me, Told me about a Net based in Poole and we both met at Poundbury Hillfort and listened in.

Not long after this, Steven told me about DARSN on Facebook and i quickly joined the group. It's safe to say it was well worth joining. I have never felt so welcomed and i have made some great friends because of it. Lindsay (2E0VDD) does a fantastic job organizing the events and getting people involved and keeping them informed.

After i joined DARSN i learned about 145 Alive, a 2m simplex event created to encourage activity. Tim (2E0TPH) persuaded me to join in on two events and it was a fantastic experience even if we did go a bit silly and carried on going out every night for a week after but man did we get results.

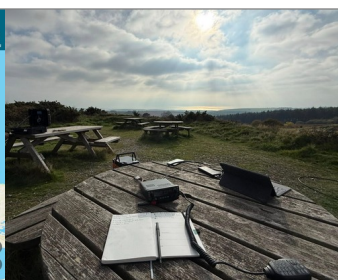
I have since been trying to refine my Mobile and Portable set ups so i can get on the air quicker with amazing results, My longest 2M FM contact was a station in Motherwell Scotland. Tim, the following night, showed me up on my own rig and got Spain on 2M FM.

I Look forward to all of next years events and meet ups, and i may have a event of my own lined up for the DARSN team.

From M7DVX 73's and catch you on the air!



Reece's first HF Contacts (Above)  
Some 2m FM contacts (Right)



Well, that's this end of the November Newsletter. I hope you have enjoyed the rather brief read. We do have a lot more content to come in the December issue which should be available 1<sup>st</sup> December from the following locations.

<https://www.darsn.co.uk>

The DARSN Facebook page

If you would like to contribute articles please get in touch.  
Why not submit your story about how you got into this hobby?  
Got some pictures of a project you have done and tested?

Coming up in the December issue we have projects for everyone, starting with power supply basics and Surface Mount Technology. We will also be publishing some tips for board manufacturing. Its going to be a busy month that's guaranteed.

As usual, a huge thanks to everyone who go out and participate in events and meet ups. Until next time, keep those finals warm. 73's

