



# RADIOACTIVE 15

1st + 2nd June 2024

### What is Radio-Active weekend?

Originally Field Day contests used to be quite rugged events in the middle of a rough field - not the easiest and most comfortable of environments for everyone. In 2007 we decided to turn this into a mini-hamfest event open to everyone interested in amateur radio and somewhere where our families can also join in and meet mutual friends. So our annual NARC Radio Active weekend brings all of this together with informal workshops and demonstrations of all aspects of radio & electronics in a large modern building and field day stations close by with free parking, camping or caravanning overnight and easy access to facilities throughout the weekend. On Sunday David G7URP and XYL Tammy M0TC invite you & your family to join them for Sunday lunch & the weekend is completely free for NARC members, families & invited guests.

### What's at Radio-Active 2024? (for details please see full programme overleaf)

- NARC Live Studio tour
- Slim Jim aerial workshop, QRP QCX talk, Digital radio, NARC Live studio tour
- 6m SSB and 'National Field Day' CW Field stations active most of the weekend.....
- Family friendly foxhunt on foot just before the Sunday Roast - find those hidden beacons!
- Radio Super Raffle - superb prizes from BHI, DCP, Gaugemaster, Icom UK, JPR, Martin Lynch

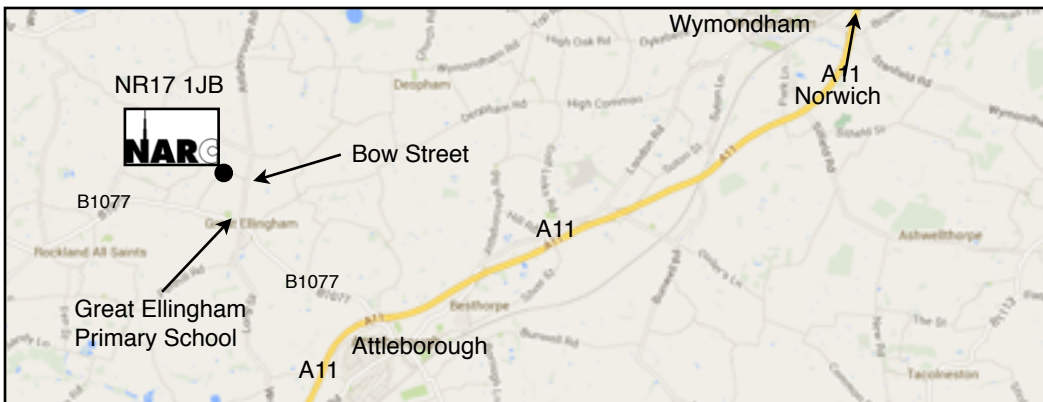
### Who can come?

All members of Norfolk Amateur Radio Club, their family, friends & invited guests. You can drop-in to RadioActive for anything from 5 minutes to all weekend - or even stay over on the Saturday night as there is plenty of space to camp by tent, caravan or motorhome. We ask that children under 16 have parental or guardian supervision at all times please. Dogs are permitted outside but must be leashed and kept under close control please.

### What do I need to bring?

Free Tea, coffee, squash and water are available all weekend but feel free to bring drinks you prefer and snacks etc - there is a fridge & 2 microwaves available. A fold up chair is advisable for sitting outside in the sunshine. And of course don't forget to bring anything you want to build, repair or test; radios, antenna, kits, components or tools - it's what you make of it!

**Where is it?** Radio-Active is at David & Tammys QTH: in Gt Ellingham, 3m from Attleborough: DCP Micro, Bryon Court, Bow Street (off Hingham Rd), Gt Ellingham, Norfolk NR17 1JB  
NB: There are many recent changes to roads & housing in Gt Ellingham inc a large roundabout.



## NARC Radio-Active 2024 Weekend Guide:

### FRIDAY 31st May

14.00 TBC **Setting up of 6m and HF Stations Field Day** - Help required to set up please!

### SATURDAY 1st JUNE (NB 24 hour Contests: 6m SSB starts 14.00 and CW NFD starts 16.00)

09.30 **DCP building opens** for meeting, refreshments, Tech room open for construction

09.45 starts@ **Fitting a radio in the car - how do I go about it?**

Outside DCP *One of our new amateurs wants to fit a radio safely in their car, this is how...*

10.00 **2 Metre Slim Jim Antenna** - plus make your own workshop with Steve G0KYA  
Meeting room *£5 - Limited number available - preorder on the booking form before 29th May.*

11.00 **My Experiences with QRP & the QCX kit** - Dick Bacon G3WRJ  
Meeting room *A brief introduction to QRP and the key features of the QRP Labs QCX kit.*

12.00 **Weather & Propagation Forecast for the stations-** Jim G3YLA & Steve G0KYA  
Meeting room

13.30 **How we make NARC Live 1** - Studio tour with Tammy M0TC and David G7URP  
Meet@Reception *The equipment & techniques used for the show - you can even have an audition!*

14.30 **Tinkering with the DX Commander antenna...** Colin M7OPB  
Meeting room *Experimenting with the DX commander antenna to see what else they can do...*

15.30 **Digital Radio in Norfolk - Informal hands-on discussion** - Mark G0LGJ  
Meeting room *A good look at DMR, D Star, Fusion, Repeaters - bring your radios to set up!*

16.30 **TeamWave** An update from the crew about what they've been working on with a few live demos. Inc merging repeaters, APRS over LoRa, AI chat bot via packet!

17.30 **Time for Tea** Ordering fresh cooked pizzas, fish & chips, kebabs, fried chicken from a local takeaway approx £6 - £10 depending on what you choose.

18.00 **Frankies Band** - M7EQR brings his friends for a special 'jam' outside! (tbc/wx)  
Rear Courtyard

### SUNDAY 2nd JUNE

08.00 **Bacon Butty Breakfast** by David G7URP for the overnighters! W/Cs also open.

10.00 **RF Connectors for beginners** - Kevin M0UJD. *Bring your connectors & cables! How to fit PL259, BNC, N Type connectors this workshop shows how to do it.*

11.00 **How we make NARC Live 2** - Studio tour with Tammy M0TC and David G7URP  
Meet@Reception *The equipment & techniques used for the show - you can even have an audition!*

12.00 **Friendly Foxhunt on foot!** Locate the hidden beacons around DCP & nearby  
Meet@rear courtyard

13.30 **Sunday Lunch for everyone!** Roast Carvery Bap (or Vegetarian alternative)  
Meeting room *Free as guests of David G7URP & Tammy M0TC but please book on the form*

15.00 **Super Raffle draw** - Every penny to Cancer Research & Alzheimers Society  
Reception *Thanks to BHI, DCP, Gaugemaster, Icom UK, JPR Electronics, Martin Lynch*

16.00 **Contest ends & Tidy up** - help appreciated to pack everything up, inside & out

### BOTH DAYS

10.00-16.00 **Tech room** with Soldering iron, test equipment, etc - Bring projects to build & test  
**Car Install** - This will take quite a while - watch it's progress over the weekend!

### General information

*Tea, coffee & squash available free all weekend but please bring food & snacks etc as required. You are welcome to camp or caravan / motorhome overnight on Saturday night, just let us know. Everything offered in good faith but subject to change - check [www.norfolkamateurradio.org](http://www.norfolkamateurradio.org)*

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# NARC RADIOACTIVE 15 : 2024 BOOKING FORM

RadioActive brings together practical radio & electronics over the first weekend of June. There are 3 main areas of activity over 5 acres of land all adjacent to each other with a family lunch on the Sunday - and the event is all Free to members, family & friends. All we ask is that if you can please buy a few raffle tickets so that we can raise funds for charities we support for our family - with lots of prizes you stand a great chance of winning! (NB you do not have to be at draw on Sunday to win) We hope you enjoy the weekend. 73, David G7URP & Tammy M0TC

- **DCP Bryon Court** - HQ for the weekend with kitchen, w/c's, meeting room, workshop etc
- **Lots to see & do** - Slim Jim aerial workshop, QRP QCX talk, Digital radio, NARC Live studio tour
- **Radio Stations** - HF and 6m SSB radio stations within a short walk
- **Parking** - Plenty of Car parking places around DCP, on field opposite DCP & our house next door
- **Camping** - Ample space to camp by tent, caravan or motor home at DCP or our back garden on Saturday night. Fresh water tap & electricity supplies are available at DCP & house by request
- **Radio Raffle** in aid of Cancer Research & Alzheimers Society will be drawn on Sunday at 3pm

Name..... Callsign/SWL .....

Phone..... email .....

**SUNDAY ROAST LUNCH:** Roast roll family lunch 1.30 pm by David G7URP and Tammy M0TC  
The Sunday lunch is free and you are most welcome to bring your family, but please let David know how many are coming and any special dietary requirements in advance.

Total No in your party ..... Any Vegetarian or special dietary needs? .....

*You are also encouraged to bring drinks, cakes, biscuits etc to share too!*

## NARC RADIO ACTIVE KIT CLUB OFFERS - see overleaf

Overleaf are a range of items at specially negotiated prices which we suggest offer good value and useful in most radio amateur workshops - they need to be preordered to collect at Radio Active or at a later club meeting. Payment for any parts or kits ordered on the form overleaf will only be due on collection at the Radio Active weekend or following club nights - *please do not send payment with this form*. Payment in cash please with exact amount in an envelope with callsign on collection.

**RADIOACTIVE RAFFLE TICKETS:** Available to buy at CNS Meeting on May 29th & at RadioActive

## HOW TO BOOK!

Please get the form booking your Sunday lunch plus any items you wish to order to David G7URP:

- Hand to David or Tammy at the club on Wednesday 29th May
- Scan/photo and email it to David by Wednesday 29th May: radio@dcpmicro.com
- Post to: David Palmer, Edison House, Bow Street, Great Ellingham, Norfolk, NR17 1JB

To order kit club items or your free lunch for RadioActive please send the form so I receive it by one of these means **by 8pm on Wednesday 29th May** as I need to confirm catering and place orders. However you can also order things from the kit club for delivery after RadioActive until 14th June - you do not have to go to RadioActive to order items or raffle tickets, though we hope you will come!

*The Radio Active Weekend and offers are made by David & Tammy Palmer on behalf of NARC. Neither David, Tammy or NARC cannot accept responsibility for any loss or damage to property. Young people are very welcome but should be supervised by a parent or guardian at all times. All offers are made in good faith on a no-profit non-commercial basis for members and guests of David & Tammy and are all subject to availability.*

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# NARC RadioActive projects and special offers 2024 - order NOW!

**NARC RADIOACTIVE SPECIALS** - order immediately if you want them at RadioActive!

- ..... G0KYA Slim Jim 2m Antenna kit with ribbon, 5m of coax and PL259 £5.00
- ..... Copper clad Fibreglass PCB offcuts - if you need for a project ask G7URP £ free

**KANGA KITS - RADIOACTIVE SPECIALS 20% OFF!** Full Details at [kanga-products.co.uk](http://kanga-products.co.uk)

- ..... Rooster 40m: New 1.5 Watt CW TxRx kit SM & regular parts inc case(37.00) £ 29.00
- ..... Rooster 30m: New 1.5 Watt CW TxRx kit SM & regular parts inc case (37.00) £ 29.00
- ..... Little Roo 40m - SSB/CW 40m Rx kit - regular wire parts inc case! (29.00) £ 23.20

*Items below marked **SPECIAL** are particularly recommended for their value & quality*

## Soldering and Tools

- ..... **SPECIAL** Digital Multimeter + RJ45 Network & mike cable tester (D03305) £ 4.50
- ..... **SPECIAL** PCB, Connector and Craft holder on base - so useful! (D03170) £ 5.00
- ..... Antex XS25 25W soldering iron with flexible heatproof silicone cable(845022) £30.60
- ..... Small 1mm tip for above iron - ideal for surface mount (845066) £ 5.00
- ..... **SPECIAL** Soldering iron stand inc sponge - metal construction (SD01123) £ 2.20
- ..... Small reel 60/40 leaded flux cored solder 0.7mm 100g reel (SD01535) £ 6.60
- ..... **SPECIAL** Desoldering Pump - sucks unwanted solder from PCBs (SD01151) £ 2.00
- ..... Desoldering Braid - wick up excess solder & shorts on PCBs etc (900007) £ 0.80
- ..... VisiSpec Clear protective safety specs for soldering, drilling etc (HE34628) £ 1.80
- ..... **SPECIAL** Wire cutters - excellent for circuit assembly, modelling (595055) £ 3.25
- ..... Wire Strippers - an easy way to strip wires in one single action (595060) £ 6.00
- ..... Coax Cable Stripping tool - ideal for safely preparing RG58 etc (595064) £ 5.10
- ..... Servisol Switch Aerosol electrical contact & potentiometer cleaner (990005) £ 6.20
- ..... Set of 4 stainless steel tweezers - ideal for surface mount etc (TL15782) £ 2.80
- ..... Super Hands: Multi LED Magnifier, PCB/work clamps, iron stand (SD02125) £24.00
- ..... **SPECIAL** 22 piece screwdriver set inc Slotted, Phillips & Torx (TL10369) £ 6.00

## Test equipment

- ..... **SPECIAL** Digital Multimeter plus Network & mike RJ45 cable tester(D03305) £ 4.50
- ..... **SPECIAL** Good quality Digital MultiMeter including probes & holster(375500) £ 5.50
- ..... Easy voltage probe - tests 6-400V AC or DC inc polarity (IN08362) £ 2.80
- ..... Small pocket Mains Neon Tester screwdriver (594-020) £ 1.00

## Easy Kits you can order & make at home or at Radio Active with tools & help on hand

- ..... Rainfall indicator alarm kit inc PCB (445-052) £ 2.70
- ..... Dice Project kit with PCB and all components (445-154) £ 6.00
- ..... Battery monitor kit - alarm when battery drops below level you set (445013) £ 4.80

## NARC DF100 kit

- ..... DF100 2m direction finding kit - requires case, dipole wires & handy receiver £ 9.00

**PLEASE CALCULATE TOTAL PRICE OF WHAT YOU HAVE ORDERED:** £

**Deadline for ordering to collect at Radioactive is 8pm 29th May - all subject to availability**  
**Payment should be made by exact cash please when the goods are collected either at RadioActive or at a club meeting afterwards - do not pay until you pick up your order.**  
**E&OE - I reserve the right to withdraw any item if the price increases or it sells out.**

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