

You're Invited to Attend our 15th Annual (2009)



# SUPERFEST



An ARRL  
Sanctioned Hamfest

Friday, April 3rd; 2:00 P.M. to 6:00 P.M.

Saturday, April 4th; 8:30 A.M. to 3:00 P.M.

at AES (Milwaukee)

- **FREE Admission**
- **Over 30 Ham Manufacturer Representatives with Latest Gear on Display**
  - **Over 30 Local Clubs & Organizations**
- **Variety of Interesting Forums • V.E. Testing • DXCC Card Checking**
- **Fox Hunt • Prize Drawings • Hot Food for purchase from Boy Scouts**
- **Talk-in: N9LKH (145.130/144.530; 127.3 Hz) • Free Parking/Shuttle Van**

For more information contact: Ray Grenier, K9KHW (rayk9khw@aol.com)

## Accurate Measurements NO EXCUSES.

Professionally Engineered Cross Needle Meters

Forward power, reflected power and VSWR are displayed simultaneously! No calibration required! Daiwa high quality instruments make the tedious measuring of SWR and Power during antenna tests, transmitter matching and tuning a very easy task.



### Professional Series

Accurate and dependable featuring a large, easy-to-read lighted meter. 13.8VDC jack on rear panel. 6" x 4 3/4" h x 4 3/4" d (approx.)

#### CN-801HP

PEP Reading SWR/Power Meter

Frequency Range: 1.8-200MHz

Forward Power Ranges: 20/200/2000W

#### CN-801V

Frequency Range: 140-525MHz

Forward Power Ranges: 20/200W

#### CN-801SH

Frequency Range: 900-2500MHz

Forward Power Ranges: 2/20W



### Economy Series

Accurate and dependable bench meters at an economy price.

Lighted, 13.8VDC jack on rear panel. 6" x 3" h x 4" d (approx.)

#### CN-101

Frequency Range: 1.8-150MHz

Forward Power Ranges:

15/150/1500W

#### CN-103M

Frequency Ranges: 140-525MHz

Forward Power Ranges: 20/200W

CN-103N (N-Type Conns)



### NEW! POWER SUPPLY

#### SS-330W

Convenient, lightweight 30 amp switching supply.

30 amps continuous

Dual meters

Adjustable voltage (5-15V)

Built-in fan

Weights less than 5 lbs.

Carrying handle



#### SS-505

Lightweight switching power supply

50 Amp Continuous, 55 AMP peak

Adjustable voltage, 5-15V

Can be used for DC motors requiring peak start-up voltage

Dual-use V/A meter

Built-in fan

Weight: 8lbs 6 oz



### Coax Switches

Patented design and excellent RF characteristics. Automatic grounding of unused circuits with heavy-duty die cast cavity construction.

#### CS-201

2-Position 600MHz Switch

Max. Power: 2.5kW PEP/1kW CW

Conns: SO-239

#### CS-201GH

2-Position 2GHz Switch

Max. Power: 1.5kW CW

Conns: Gold plated N-Type



(714) 630-4541 V (800) 962-2611

(714) 630-7024 fax

www.natcomgroup.com

**HF/6M  
BASE**



**CLOSE  
OUT!**

**DR-70TH Compact 100W HF/6M Transceiver**  
Covers 160 to 6 meters with 0.15 - 30 & 50 - 54 MHz receive with SSB, CW, AM, FM modes. Detachable face; 100 multi-function memories; Dual VFOs; Split operation; Quick offset; Narrow filter; Noise blanker; Speech processor; CTCSS for 10 and 6 meter repeaters; Full, semi or auto break-in CW; All mode squelch; Two scan modes; Separate HF and 6M antenna connections; RTI; TXIT; Selectable AGC; Dial lock; Auto antenna tuner interface.

Dim: 2.3" h x 7" w x 9" d; 8.3 lbs. **SPECIAL ORDER Available Accessories**  
DM330MVT 30A switching power supply with meter, DM340MVT 30A power supply w/meters, EBC8 Front control head bracket, EBC9 Extra mobile bracket, EDS5 5' mic extension cable, EDS6 15' remote cable, EDX2 160-10M auto wire tuner, EMS14 Desk mic, PC25 DC cable

**6M & 10M  
MOBILES**



**Common Features:** 100 alphanumeric memory channels, VFO/Memory/Program scan with Busy/Timer settings and Tone scan. Tone squelch (Encode/Decode tone separately selectable), DCS, DTMF tones featuring 10 programmable memories (Auto-Dialer) and 4 tone-burst tones. Direct frequency input and control of major functions via the backlit microphone keypad. Time-out-timer; Auto-power-off; Busy-channel lockout; Theft alarm; Ignition key on/off feature (with optional cable). Cloning cable included. Dim: 5.85" w x 1.57" h x 6.83" d, 2.21 lbs.

**DR-06T 6M FM Transceiver** - Covers 50 to 53.995 MHz. Power: 50W (High), 20W (Mid), 5W (Low). With the optional EJ-41U TNC board, the DR-06T can be instantly switched from voice to 1200/9600bps packet. 13.8VDC @ 11A.

**DR-03T 10M FM Transceiver** - Looks like the DR-06T. Covers 28 to 29.695 MHz. Power: 10W (High), 5W (Mid), 1-4W (Low). 12VDC @ 3A.

**Available Accessories for DR-06T Only:**  
EDC37 Key ON/OFF cable, EDC43 Key ON/OFF cable for cigar socket, EJ41U TNC board, EJ47U Digital Voice modem



**VHF & UHF  
MOBILES**



**DR-135TMKIII 2M Mobile Transceiver** - Covers 144-148 MHz transmit with 118-135.995 MHz (AM aircraft) & 136-173.995 MHz receive. Power levels: 50/10/5W; Wide/Narrow FM; 100 alphanumeric memories; Large alphanumeric LCD display; Dimmer; TXCO with ± 2.5ppm stability; CTCSS encode/decode/DCS, Four European tone bursts; Backlit DTMF microphone; Ten autodial memories; Multiple scanning modes; Front panel GPS input for APRS; Rear PC connection; Ignition key On/Off feature; Theft deterrent system alarm; Timeout timer; Mobile bracket with hardware, DC cord, alarm cable; Optional TNC; 13.8V DC @ 11A. Dim: 5.58" w x 1.57" h x 6.83" d; 2.3 lbs.

**DR-135TPMKIII** - Same as 135TMKIII with addition of the TNC for 1200/9600bps packet and APRS operation.

**DR-235TMKIII** - Covers 222-224.995 MHz TX & 216-279.995 MHz RX; 25W/10/5W out.

**DR-435TMKIII** - Covers 430-450 MHz TX & 350-511.995 MHz RX; 35/10/5W output.

**Available Accessories:**  
EDC37 DC cable, EDC43 Cigarette lighter cable, EJ41U 1200/9600 TNC (TMKIII's only), EJ47U Digital board, ERW4 PC cable, ERW7 USB PC cable, HK130 Hardware kit, MB130 Mounting bracket, PC15B DC cable, SW620 Windows programming software



Shown with optional EDS9 Separation kit

**DR-635T Twin band Mobile Transceiver**  
Transmit coverage: 144-147.995 and 430-449.995 MHz; Receive coverage: 108-173.995 and 335-480 MHz includes VHF AM air band and FM broadcast (87.5-108 MHz). 200 alpha memories. Power: (VHF) 50/20/5W and (UHF) 35/20/5W. Dual band receive capability (V/V, U/U, V/U and U/V) with cross-band repeat. Large, three color LCD shows status icons and alphanumeric tags. CTCSS & DCS encode/decode + 4 different tone bursts. Includes: auto power off, time out timer, tone burst, scan, lock-out, dimmer, VFO auto program, theft alarm, narrow FM, supply voltage display and remotable head. Rear fan for cool operation during transmit. The front panel is remotable via the optional EDS-9 separation kit. Advanced Digital Mode (10F3) with speech compression is provided via the optional EJ-47U board. The supplied DTMF hand microphone allows setting parameters a direct frequency entry. Includes DC cable, mobile mounting bracket with hardware, anti-theft (ACC on/off) function cable and anti-theft sticker.

**Available Accessories:**  
EDS9 Separation kit, EJ47U Digital board, EJ50U TNC unit, ERW4 PC cable, ERW7 USB PC cable, HK130 Hardware kit, MB130 Mounting bracket, PC15B DC cable, SW620 Windows prog. software

**Order Now Toll Free  
from any AES Location**

**EMS-47 Speaker Mic with Volume Control** Speaker Mic with Volume Control for most current Alinco Handhelds..... **\$29.99**

**EME-15 Tie Pin Mic with VOX/PTT** - Tie Pin mic that lets you select between VOX or PTT operation. Clip the mic next to your mouth and place the earphone in your ear. Has a mic gain control to fine tune VOX operation..... **\$69.99**

**EME-6 3.5mm Mono Earphone** - Standard 3.5mm Mono Sound Earphone. Can be used in thousands of audio items like radios, scanners, even MP3 players ..... **\$14.99**

**DM-330MVT Switching Power Supply**  
Small, lightweight but provides 30A cont., 32A peak with variable voltage (5-15 VDC). Lighted V/A meter. Rear panel high current terminals and front panel cigar and quick disconnect terminals. Dim: 6.8" w x 2.6" h x 6.5" d, 4.4 lbs.

**DM-340MVT Conventional Power Supply**  
Provides 30A continuous, 35A maximum at 50% duty cycle with variable voltage (0-25 VDC). Forced-air cooled; Separate Volt and Amp meters; Large 16mm main terminals plus 2 pairs of auxiliary snap-in terminals, cigar socket and fuse holder on the front panel. Dim: 9.25" w x 6" h x 9" d, 20.7 lbs.

**MFJ LOW POWER TRANSCEIVERS**

Single Band CW

Single Band SSB

**SINGLE BAND CW**

Easy operation, set up in seconds to enjoy CW DXing or rag chewing wherever you go. Hot superhet receiver with super-quiet FET post amp stage in the IF filter for great sensitivity. Excellent selectivity from the tight CW bandwidth crystal ladder filter that fights QRM and noise. Smooth and stable VFO with reduction drive and RTI. Full 5W power output. Semi-QSK operation with adjustable hold T/R switching or set for full QSK. Built-in 3 inch. speaker. Low power drain, only 50mA on RX and 1.2A peak on TX. Dim: 2.5" h x 6.5" w x 6" d; 2 lbs.

**Four different models:**

<b>9015</b> - 15M, 5W	<b>9030</b> - 30M, 5W
<b>9020</b> - 20M, 5W	<b>9040</b> - 40M, 5W

**SINGLE BAND SSB**

Easy operation, reduction drive analog VFO allows tuning the band for signals quickly, then zeroing in smoothly. Features Constant Current™ syllabic speech processing for an added 4-6dB advantage to cut through conditions. Low noise preamp and active double balanced mixer front end with a sharp 2.3 kHz SSB crystal ladder filter. Draws only 3 Amps from 12V supply or battery. TVI protection with a built-in lowpass filter; Real S-meter; Hand Microphone; Amplifier key jack. Dim: 2.5" h x 6.5" w x 6" d; 2 lbs.

**Six different models:**

<b>9402X</b> 2M, 7W	<b>9420X</b> 20M, 20W
<b>9406X</b> 6M, 10W	<b>9440X</b> 40M, 12W
<b>9410X</b> 10M, 20W	<b>9475X</b> 75M, 12W

**See Page 17 in the Price Guide under MFJ for available accessories for these models**

# The World is Yours with **ALINCO**

## **DR-135T/TP MKIII (2m), DR-435T MKIII (440 MHz), DR-235T MKIII (222 MHz)**

### **Mobile/Base**

DR-135 includes AM Airband RX. All models have 100 memories, ignition key on/off, theft alarm, large 7 character alpha display, optional internal TNC can be used for packet or APRS™, 9600 packet mode, front data/GPS input, rear DSUB9 connector, H/M/L power out, autodialer, CTCSS and DCS encode+decode, backlit mic, *Extra rugged!* Accepts optional digital voice communications board.



## **DJ-596T MKII 2m+440 HT**

100 memories, alpha channel labels, NiMH battery, CTCSS and DCS encode+decode, WFM+NFM, theft alarm, 6 ~ 16 VDC input, illuminated keys and display, autodialer, full coverage of both bands, Expanded receive; optional digital voice communications board and more! *Extend your abilities!*



## **DJ-C7T**

### **2m+ 440 "Pocket" HT**

Meet the "new generation" mini-HT! Internal speaker with great audio, 200 memories, VFO, Memory & Scan modes, CTCSS encode+decode, AM airband RX, wideband FM broadcast, 300mw output, SMA antenna port, Lithium ion battery, cloning feature, split function and more! *Extremely versatile dual-band HT.*



## **DM-330MVT Communications Grade Switching Power Supply**

*Alinco's Experts have reinvented the power supply!* Extremely quiet with a patented noise shift circuit, but we'll be surprised if you ever need to use it. It's small, lightweight and powerful! 30A continuous, 32A peak output, but weighs less than 5 lbs. Variable output from 5 ~ 15 VDC, memory output setting, lighted V/A meter, front panel cigar (10A) and quick-connect (5A) terminals, rear panel high-current connections. Ripple less than 15 mV p-p.

*Extra versatile, use for travel, station or test bench.*



## **DJ-S45T 440 MHz "Micro" HT**

*Tiny, but tough.* Rugged polycarbonate design resists impacts, dust & moisture. Features New Quick Repeater Access Mode, 100 memories; any mix of simplex or repeater channels, CTCSS encode and decode (separately programmable). Computer programmable with optional cable, free software at [www.alinco.com](http://www.alinco.com).



## **DJ-V5TH, 2m/440 HT\***

Great 2m/440 TX & RX, extended RX range from 76 ~ 999 MHz, wide band FM, alpha display, 200 memories, CTCSS & DCS encode+decode, 5 watts output, compact size, 4 scan modes, split-band ops, auto-dialer, 13.8 VDC direct input. *Excellent performer!*



## **DX-70TH (100w) HF+6m Mobile/Base/Portable**

160~6m Amateur band TX in all modes, Extra coverage RX from 150 KHz~30 MHz and 50~54 MHz. Remotable face, 100 memories, 2 VFOs, speech compressor, SSB, CW and AM narrow filters, fullbreak-in, multi-function control and MUCH more!

*Optional accessories include EDX-2 wire antenna tuner & DM-330MVT power supply.*



**COMING SOON!**

***Fits in the palm  
of you hand.***

## **DJ-V17T 2M HT DJ-V27T 222 MHz HT DJ-V47T 440 MHz HT**

*Great audio and high grade water-resistant design!*

Full power HTs with large 40mm internal speaker, rugged polycarbonate body compatible to IPX7, 500mW max audio-output, over 200 memories, ergonomic design, ultra-flexible antenna with SMA connector, 39 CTCSS settings two-level split function, two-level attenuator, backlit alphanumeric display and special battery- drain function to help avoid battery memory-effect. Ni-MH standard; also uses optional Lithium-ion and NiMH battery packs or AA dry cell case. Perfect for outdoor activities.

*Rugged design  
resists moisture,  
dirt and dust!*



## **DM-340MVT IC Regulated Power Supply**

30A nominal, 35A peak output. Variable output 0 ~ 15 VDC, convenient front-panel connections includes high current terminals, cigar lighter (10A) and quick-connect (5A). Built-in circuit protection, convenient front-panel fuse.



**www.ALINCO.com**

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Performance specifications only apply to amateur bands. \*Cellular blocked in USA. Unblocked versions available to qualified users, documentation required.

ALL warranty claims and requests for repair/technical assistance for Alinco products should be sent to Ham Distributors regardless of contact information found on the warranty certificate packed with the product.


**ALINCO**  
 AMATEUR RADIO'S VALUE LEADER™

## LOW POWER 2M HANDHELD

**DJ-S11T** Miniature VHF HT – Covers 144–148 MHz transmit; 340mW output; 20 multi-function regular memories and 1 call memory; Tone encoder and decoder; Illuminated display; Pivoting antenna. Uses 3 “AA” alkaline or NiCad batteries; Comes with wrist strap, antenna and belt clip. Dim: 3.9”h x 2.2”w x 1”d; 6.5 oz.

### Available Accessories:

EDC78 Wall charger (not alkaline), EDH18 12V/5.5V DC cigarette lighter plug, EME12 Headset/earphone/mic w/VOX, EME13 Headset/earbud/mic w/VOX, EME15 Ear-phone/mic w/VOX, EME20 Tie-pin mic/earphone, EME6 Earphone, EMS47 Speaker mic w/volume control, ESC27 Soft case



## SINGLE BAND HANDHELDS

**DJ-V17T** 5W 2M Handheld – Covers 144-148 MHz with 130-173.995 receive and 200 memories. Ruggedly built to IPX7 standards (can be submerged in 3 ft. depth of water for up to 30 minutes). 5W output; backlit alphanumeric display and direct keypad frequency entry; 39 Tone CTCSS Squelch; 104 Tone Digital Code Squelch (DCS); 4 Tone Bursts; 9 DTMF Autodial Memories; Scanning; Time-out Timer. Tuning steps: 5, 10, 12.5, 15, 20, 25 and 30 kHz. A 500mW audio amp provides abundant audio. Comes with AC charger adapter, Ni-MH battery and SMA flexible antenna, belt clip and hand strap. Dim: 2.28”w x 4.33”h x 1.43”d, 9.9 oz.

**DJ-V27T** 5W 220 MHz Handheld – Similar to the DJ-V17T above, but covers 222-224.995 MHz with 216-249.995 MHz receive. Power: 5W.

**DJ-V47T** 4.5W 440 MHz Handheld – Similar to the DJ-V17T above, but covers 430-449.995 MHz with 410-470 MHz receive. Power: 4.5W.

**Available Accessories:**  
 EBP63 7.4V 1100mAh Li-Ion battery, EBP64 7.4V 1600mAh Li-Ion battery, EBP65 7.2V 700mAh NiMH battery, EBP66 7.2V 2000mAh NiMH battery, EDC144 Rapid charger, EDC36 Angle plug power cable with filter, EDC37 DC cable, EDH34 Dry cell case, EDS10 Mic/speaker cable, EDS11 Clone cable, EMS62 Speaker/mic, ERW4 PC cable (requires EDS10), ERW7 USB PC cable, ESC41 Soft case



**DJ-S45T** 440MHz FM HT Rugged polycarbonate design is resistant to rain, dirt and dust. TX: 420-450 MHz; RX: 420-474 MHz. 100 memories and three types of Scan functions (VFO, Memory, Tone) with timed and busy settings. Three different Tone Burst tones. Thirty-nine separately selectable CTCSS encode and decode tones, Tone Call and Bell (pager). Power Output: 2W with 6.0V external DC power source, approx. 1W with special order EBP-60 Li-Ion pack, approx. 0.5W with 2 Alkaline AA cells and approx. 0.4W with 2 Ni-MH rechargeable AA cells. The low power TX position gives approx. 0.5W at 6.0Vdc and approx. 150mW at 2 AA Ni-MH cells. Back-lit, Easy-to-Read LCD display. Computer-programmable with free software downloadable from Alinco website (with optional ERW-4 or ERW-7 cable). Includes belt clip, handstrap, AA battery case and flexible SMA antenna.

Dim: 2.24”w x 3.86”h x 1.17”d; 5.7 oz.

### Available Accessories:

EME6 Earphone, ERW4 PC Cable, ERW7 USB PC cable, ESC40 Soft case

## SINGLE & DUAL BAND HANDHELDS



**DJ-496T** 440 MHz FM HT – Covers 430-450 MHz transmit and receive. 5W output; 40 multi-function memory channels; MARS/ CAP capability; Alphanumeric display; CTCSS encode and decode and DCS; S-meter; Autodialer; Computer programmable, Cable cloning capability; Back lit keypad. Dim: 4.9”h x 2.2”w x 1.6”d; 13.2 oz.

**DJ-596T MK II** 2M/440 MHz Dual Band HT Covers 144-148/420-450MHz transmit and 136-174/400-512 MHz receive. 5W output on both bands with standard NiMH battery; Wide or narrow FM; Digital voice optional; CTCSS/DCS encode and decode; Three scan modes; Illuminated keys and display; 100 alpha memories and 9 autodial memories; Operates on 6-16VDC, battery charges while on ext. source.

**Available Accessories:**  
 EBP50N 9.6V 700mA 5W NiMH battery, EBP51N 9.6V 1500mA 5W NiMH battery, EBP56N 7.4V 1000mAh lith-ion battery, EDC111 Charger for EBP56N, EDC133 NiMH quick charger, EDC36 Angle plug power cable with filter, EDC37 13.8V power cable, EDC43 Cigarette lighter cable, EDC88 Rapid charger, EDC93 Wall charger with power supply, EDH30 Dry cell battery case, EJ47U Digital board (DJ-596TMKII only), EME12 Headset/earphone/mic with VOX, EME13 Headset/earbud/mic with VOX, EME15 Earphone/mic with VOX, EME20 Tie-pin mic/earphone, EME6 Earphone, EMS47 Speaker mic with volume control, ERW4 PC cable, ERW7 USB PC cable, ESC36 Soft case for EBP48N, SW596 Windows programming software (DJ-596TMKII only)

## DUAL BAND HANDHELDS

**DJ-C7T** Credit Card Size VHF/UHF Dual Band Micro Handheld TX/RX: 144-147.995, 430-449.995 MHz. RX: FM broadcast (87.5-107.995 MHz), AM aircraft (108-173.995) and 380-511.995 MHz. AM/FM/WFM modes. Power: 300mW with supplied 3.7V Lithium-ion battery or 500mW with external 6V power source. 200 memory channels; 5 pairs of program scan band; Priority watch; 3 types



of scan including CTCSS tone search; Split-operation; CTCSS encode and decode; TSQ and 4 European burst tones standard; Internal speaker, SMA antenna port; Mic/earphone/DC jacks; Cable cloning; Battery saver.

Dim: 2.3”w x 3.8”h x 0.57”d; 3.6 oz.

### Available Accessories:

EBP58N Lithium-ion battery, EDH32 Cigarette lighter cable, EME18 Earphone, EME24 Earphone/microphone, EME25 Curl cord earphone, EMS60 Speaker/microphone, ERW4 PC cable, ERW7 USB PC cable, ESC38 Soft case

### DJ-V5TH VHF/UHF

Dual Band FM HT Full 2 meter and 440 Amateur band coverage. Standard high-power 700 mAh NiCad battery pack – up to 5W output; 3 output settings; Expandable receive range 76–999 MHz (cellular blocked); Split-band operation capability; Eight different tuning steps; Alpha-numeric display – up to 6 characters; 200 memory channels plus two call channels; CTCSS encode and decode; DTMF squelch; 4 different European tone bursts; 4 scan modes

and 5 programmable scan banks; Auto-dial memories; SMA connector; Wire cloning capable; Accepts up to 13.8V DC input.

Dim: 4.5”h x 2.25”w x 1.75”d; 13 oz.

### Available Accessories:

EBP46N 9.6V 600mAh 5W NiCad battery, EDC36 Angle plug power cable with filter, EDC37 13.8V power cable, EDC43 Cigarette lighter cable, EDH29 Dry cell battery case, EME12 Headset/earphone/microphone with VOX, EME13 Headset/ear bud/microphone with VOX, EME15 Earphone/microphone with VOX, EME20 Tie-pin mic/earphone, EME6 Earphone, EMS47 Speaker mic with volume control, ESC35 Soft case for EBP45N/46N



**Gift Certificates**  
 available from all  
 AES locations...

even online!