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# Amateur Radio Products 2010 SPRING CATALOG

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DX Engineering!



The BetterRF Company



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Page 6

# Uncork your favorite DX.

## IC-7600 HF + 6M

- 100 Watt Output Power, Full Duty Cycle
- 3 Roofing Filters (15/6/3 kHz)
- USB Audio and Rig Control (Sound Card Interface Not Required)
- Two Independent DSP Units
- +30 dBm 3rd-order Intercept Point
- Selectable, "Build Your Own" IF Filter Shapes
- 5.8-inch LED Color Display with Dualwatch
- Built-in High-Speed Automatic Antenna Tuner



Contact DX Engineering and plan your escape today!

Frequency coverage may vary. Refer to owner's manual for exact frequency specs.  
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**DX**<sup>®</sup>  
ENGINEERING  
When You Want The Best!

**ICOM**<sup>®</sup>

# NEW from Your "Favorite DX"

# New! ICOM Base Stations

Station Equipment

## IC-7200 HF/50MHz Portable Base Station Transceiver



This entry-level transceiver has advanced digital features like IF DSP technology higher class transceivers have. It is built tough and water-resistant for outdoor use. Power Requirement: 13.8 Vdc @ 22A. Dimensions: 9.5" W x 3.3" H x 11" D. Weight: 12.1 lbs.

- Covers 160-6 meter transmit bands and 0.03-60 MHz receive bands
- Two x 100 watt output on SSB, CW, RTTY (one x 40 watt on AM)
- IF DSP filtering (51 passband widths)
- Digital IF filter, twin passband tuning (PBT) and noise reduction
- 201 scannable memory channels
- Manual notch filter
- Dual VFOs
- ±0.5 ppm frequency stability
- LCD backlight (hi/lo/off), front facing speaker, voice synthesizer
- CI-V interface
- Rear bumper protects rear panel connectors while transporting
- USB port for PC control
- Water intrusion protection similar to Icom Marine radios
- Hand mic, DC power cable and spare fuses

IC0-IC-7200 Portable HF/6M Transceiver.....**CALL/WEB**

## IC-7800 Deluxe HF/50 MHz Transceiver



The ultimate fusion of 45 years of analog RF circuit development and cutting-edge digital technology. You get dual receivers with an astonishing 110dB dynamic range, +40dB 3rd order intercept point in HF, and many other features. No other transceiver comes close! Dimensions: 16.6" W x 5.9" H x 17.1" D. Weight: 55 lbs.

- Covers 160-6 meter transmit bands and 30 KHz-60 MHz receive
- Five x 200 watt output (5 x 50 watt AM)
- USB, LSB, CW, RTTY, PSK-31, AM, FM, SSB DATA modes
- 101 scannable memory channels
- Four 32-bit floating point DSP units and 24-bit AD/DA converters
- Built-in power supply (85-265 Vac)
- Ultra high stability oscillator
- Main and sub receivers, separate 50 MHz preamp and mixer
- Digital twin passband tuning
- 7" color TFT LCD with spectrum scope S-meter and RTTY/PSK31 decode messages
- 16-step variable DSP noise reduction
- Multi-function adjustable electronic memory keyer (DSP waveform shaping)
- Digital RF speech compressor, voice synthesizer, mic equalizer
- RTTY/PSK-31 without PC connection
- CF memory card for setting storage
- Digital voice recorder (200 second RX/99 second TX memory)
- 50 CTCSS tone encode/decode
- UTC/local clock and timer function
- Optical digital in/output, CI-V interface capability
- External CRT display connector, four antenna connectors
- Includes 64MB CF memory card and rack mount handles

IC0-IC-7800 Deluxe HF/6M Transceiver.....**CALL/WEB**

## IC-7600 High Performance HF/50 MHz All Mode Transceiver



This unit has the latest DSP technologies used in the IC-7800/7700 transceivers plus Icom's 45 years of analog circuit expertise to give you a pronounced performance advantage. Power Requirement: 13.8 Vdc @ 23A. Dimensions: 13.4" W x 4.5" H x 11" D. Weight: 25 lbs.

- Covers 160-6 meter transmit bands and 30 KHz-60 MHz receive
- Two x 100 watt output for SSB, CW, FM, RTTY, PSK31
- One 30 watt output for AM
- 101 scannable memory channels
- Separate DSP units for transmitter/receiver and spectrum scope
- Three built-in 1st IF (roofing) filters: 3, 6 and 15 KHz
- Double conversion receiver with image rejection mixer to improve in-band IMD
- Two SO-239 antenna connectors with automatic antenna selector
- Widescreen 5.8" (400 x 240 pixel) display
- High-resolution real-time scope using a dedicated DSP unit
- USB connectors for keyboards, flash memory drives, and PCs
- Built-in PSK and RTTY operation with a USB keyboard—PC not required
- DC power cable, spare fuses, CW key plug, HM-36 hand mic, carrying handle

IC0-IC-7600 High Performance Transceiver.....**CALL/WEB**

## IC-718 HF Base Station Transceiver



The most practical DSP rig you'll ever own! Covers 160 to 10 meters (except 60 meter) in CW, RTTY and AM modes. Power Requirement: 13.8 Vdc @ 20A. Dimensions: 9.4" W x 3.75" H x 9.4" D. Weight: 8.5 lbs.

- Five x 100 watts adjustable output power
- 101 scannable memory channels
- IF shift control
- RF gain control, RF attenuator/preamp
- Electronic CW keyer, VOX voice operation
- High frequency stability
- Front facing speaker
- Two x 40 watts AM
- 0.03-30 MHz RX coverage
- Mic compressor
- Auto-notch filter
- Digital S/Rf meter
- Optional filter selection
- Hand mic included

IC0-IC-718 HF Transceiver/SW Receiver.....**CALL/WEB**

## IC-7700 HF/50MHz All Mode Transceiver



The top performance, Contest and DX chasing transceiver! It features the latest technology including two independent IC-7800-type DSP units (one for the transmitter/receiver, one for the spectrum display). Dimensions: 16.7" W x 5.9" H x 17.1" D. Weight: 52.9 lbs.

- 40 dBm third order intercept point
- Typical 134 dB@5 kHz dynamic range
- Selectable 3, 6 and 15 kHz roofing filters
- Exceptional out-of-band signal rejection
- Automatic tracking preselector and relay-switched front end
- Push-pull 48 Vdc MOSFET amplifiers—200 watts at full duty cycle
- Built-in switching power supply
- 7" color TFT (800 x 480 pixel) LCD
- Accepts external VGA monitor
- Built-in RTTY/PSK31 mode—requires only an external keyboard
- Rear-panel I/O allows interface of a second Icom transceiver
- Digital voice recorder, DSP noise blanker, USB flash drive socket

IC0-IC-7700 All Mode Transceiver.....**CALL/WEB**

**See DXEngineering.com for available  
transceiver accessories.**

## IC-7000 All-Band Multi-Mode Mobile Transceiver

This mobile transceiver has features normally found only in the top base stations, like 41 filter bandwidths with sharp or soft filter shape. The variable twin PBT allows you to narrow the IF passband or shift the entire passband to eliminate QRM. The 2.5 inch (diagonal) color TFT screen supports a two-mode band scope. Includes backlit remote microphone, spare fuses, key plug, DC power cable, and remote mounting package. Power Requirement: 13.8 Vdc @ 22A. Dimensions: 6.56" W x 2.59" H x 7.09" D. Weight: 5.1 lbs.

- Covers HF/6M/2M/440 MHz bands with .03-199 MHz RX coverage
- Power: 100 watts (HF+6M), 50 watts (2M), 35 watts (440 MHz)
- 503 alpha tag memories
- Internal 4-memory CW keyer
- Detachable control head
- Digital RF speech processor
- S/PWR/SWR meter
- Preamp and attenuator
- RTTY demodulator
- Adjustable SSB TX bandwidth
- DTMF memory
- VOX plus full break-in CW with adjustable pitch



IC0-IC-7000 All-Band Transceiver ..... **CALL/WEB**

## IC-2820H 2M/400 Analog Dual Band Mobile Transceiver

Covers 144-148 MHz and 430-450 MHz transmit. Left band receive: 118-549.95 MHz wideband. Right band receive: 118-173.995/375-549.995/810-990.990 MHz cellular blocked. Inputs for two antennas allow diversity reception (compares signal strength from the two antennas, automatically selects the strongest signal) in the 127/136/146/375/440/500 MHz bands. V/V and U/U simultaneous receive antennas required. Includes a full-function backlit remote DTMF hand microphone, mounting bracket, DC power cable, separation cables, and spare fuses. Power Requirement: 13.8 Vdc @ 13A. Dimensions: 5.9" W x 1.65" H x 7.4" D. Weight: 3.3 lbs.

- D-STAR/GPS and DV (digital voice) upgradeable with optional UT-123 Receiver
- Selectable Power: 50/15/5 watts on both bands
- 522 memory channels
- Weather Alert
- CTCSS/DCS encode/decode
- PC compatibility
- Removable front panel
- Selectable (amber/green) display
- Packet ready (9600 BPS/6-pin DIN)



IC0-IC-2820H Analog Dual Band Transceiver ..... **CALL/WEB**

## IC-2200H 2M Single Band Mobile Transceiver

Covers 144-148 MHz transmit with 118-174 MHz receive. Large selectable (amber or green) LCD display with four levels of brightness, backlit keys, and a large oversized tuning dial. Includes remote control microphone, DC power cable, and mobile mounting bracket. Power Requirement: 13.8 Vdc @ 15A. Dimensions: 5.5" W x 1.6" H x 5.25" D. Weight: 2.75 lbs.

- Receive covers AM aircraft band and weather channel with alert
- Selectable transmit power levels: 65 /25/10/5 watts
- Choice of FM Narrow mode
- 207 alpha tag memories w/call channel
- Dynamic Memory Scan
- 50 CTCSS and 104 x 2 DTCS encode/decode, tone scan function, pocket beep
- 24 DTMF autodial memories
- Squelch delay
- NMEA GPS compatible (GPS not supplied)
- Add D-Star operation with optional UT-118 Digital Unit



IC0-IC-2200H 2M Single Band Transceiver ..... **CALL/WEB**

## IC-V8000 2M Single Band High Power Mobile Transceiver

Covers 144-148 MHz transmit with 118-174 MHz receive. User selectable power (75/25/10/5 watts, 75 watts maximum). Includes remote control microphone, DC power cable, and mounting bracket. Power Requirement: 13.8 Vdc @ 15A. Dimensions: 5.9" W x 2" H x 5.9" D. Weight: 2.22 lbs.

- 207 alpha tag memories with Call Channel and priority watch
- Transceiver to transceiver or PC to transceiver cloning
- Weather channel scan and alert
- DMS scan system
- CTCSS/DTCS tones
- Customized memory banks
- DTMF encode and pager
- 10 DTMF memory channels
- One-piece, die-cast aluminum chassis



- Front facing speaker
- Selectable display (amber or green)

IC0-IC-V8000 2M High Power Transceiver ..... **CALL/WEB**

## IC-208H 2M/440 Dual Band Mobile Transceiver

Covers 144-148 MHz and 440-450 MHz transmit, 118-173/230-549/810-999 MHz (cell blocked) wide band receive. Operate with control head attached or remote-mounted with included 11.5 ft. separation cable. Includes remote control microphone, DC power cable, and mounting bracket. Power Requirement: 13.8 Vdc @ 12A. Dimensions: 5.56" W x 1.56" H x 7.3" D. Weight: 2.7 lbs.

- Maximum power: 55 watts/2M, 50 watts/440 MHz
- Selectable bank scanning
- CTCSS/DTCS tone squelch
- 10 memory banks with up to 100 channels/band
- Selectable (amber/green) display and buttons
- 500 6-character alpha tag memories
- 9600bps data connector
- Weather channel and alert
- Pocket beep and tone scan
- Auto repeater function
- TMF memories



IC0-IC-208H 2M/440 Dual Band Transceiver ..... **CALL/WEB**

## ICOM Accessories

IC0-AH-4	Wire-Fed Antenna Auto-Tuner 80-6 meter.....	<b>CALL/WEB</b>
IC0-AT-180	Coax-Fed Antenna Auto-Tuner HF plus 6 meter.....	<b>CALL/WEB</b>
IC0-CR-282	High Stability Crystal Unit.....	<b>CALL/WEB</b>
IC0-CR-338	High Stability Crystal Unit.....	<b>CALL/WEB</b>
IC0-CT-17	Level Converter for PC Interface.....	<b>CALL/WEB</b>
IC0-FL-52A	500 Hz/455 kHz IF CW Filter.....	<b>CALL/WEB</b>
IC0-FL-100	500 Hz/9 MHz IF CW Filter.....	<b>CALL/WEB</b>
IC0-FL-101	250 Hz/9 MHz IF CW Filter.....	<b>CALL/WEB</b>
IC0-FL-103	2.8 kHz/9 MHz IF SSB Filter.....	<b>CALL/WEB</b>
IC0-FL-222	1.9 kHz/455 kHz IF SSB Filter.....	<b>CALL/WEB</b>
IC0-FL-232	350 Hz/9 MHz IF CW/RTTY Filter.....	<b>CALL/WEB</b>
IC0-FL-257	3.3 kHz/455 kHz IF SSB Filter.....	<b>CALL/WEB</b>
IC0-HM-154T	TTP Mic for IC-703/706/7000.....	<b>CALL/WEB</b>
IC0-MB-23	Carrying Handle.....	<b>CALL/WEB</b>
IC0-MB-62	Mounting Bracket 706/7000 Main Unit.....	<b>CALL/WEB</b>
IC0-MB-72	Carrying Handle.....	<b>CALL/WEB</b>
IC0-MB-105	Remote Head Bracket for IC-7000.....	<b>CALL/WEB</b>
IC0-OPC-025D	DC Power Cable for 706/718/746/756.....	<b>CALL/WEB</b>
IC0-OPC-478	PC Control RS232C Cable.....	<b>CALL/WEB</b>
IC0-OPC-478U	PC Control USB Cable 478UC.....	<b>CALL/WEB</b>
IC0-OPC-581	11.5 ft. Separation Cable for 706 Series.....	<b>CALL/WEB</b>
IC0-OPC-587	16 ft. Separation Cable for 706 Series.....	<b>CALL/WEB</b>
IC0-OPC-589	8-Pin Mic Jack Adapter Cable.....	<b>CALL/WEB</b>
IC0-OPC-599	7+8-Pin to 13-Pin Adapter.....	<b>CALL/WEB</b>
IC0-OPC-742	13-Pin Cable 703/706MKII+G/7000.....	<b>CALL/WEB</b>
IC0-OPC-1443	11.5 ft. Remote Cable for IC-7000.....	<b>CALL/WEB</b>
IC0-OPC-1444	16 ft. Remote Cable for IC-7000.....	<b>CALL/WEB</b>
IC0-OPC-1457	DC Power Cable for IC-7000/7200/7600.....	<b>CALL/WEB</b>
IC0-PS-125	25A Switching Power Supply.....	<b>CALL/WEB</b>
IC0-PS-126	25A 4-Pin Switching Power Supply.....	<b>CALL/WEB</b>
IC0-PW1	Amplifier 160 to 15+6 Meter with Auto-Tuner.....	<b>CALL/WEB</b>
IC0-RMK-706	Sep Kit Package MB-62/MB-63/OPC-581.....	<b>CALL/WEB</b>
IC0-RMK-7000	Sep Kit Package MB-62/MB-105/OPC-1443.....	<b>CALL/WEB</b>
IC0-SM-50	Dynamic Desk Microphone.....	<b>CALL/WEB</b>
IC0-SP-10	Slim-Line External Speaker.....	<b>CALL/WEB</b>
IC0-SP-20	Speaker w/Audio Filters.....	<b>CALL/WEB</b>
IC0-SP-23	Speaker w/Audio Filters.....	<b>CALL/WEB</b>
IC0-UT-102	Voice Synthesizer.....	<b>CALL/WEB</b>

**These MFJ and Ameritron switching power supplies are clean! Your buddies won't hear any RF hash on your signal...and you won't hear any from your receiver either. Some other competing power supplies may generate RF hash in your transmitted and received signal. The MightyLite Switching Power Supplies meet all FCC Class B regulations.**



**No RF Hash!**

Station Equipment

**MFJ-4125 25 Amp Compact Switching Power Supply**

The smallest and lightest power supply in ham radio! This unit weighs only 2.9 pounds and measures just 5 1/2" W x 2" H x 5 3/4" D. It is ideal for portable or temporary operation of a full 100 watt HF transceiver. The five-way binding posts are for high current radio connects; a pair of speaker type push-on terminals is for low current accessories. Over-voltage and over-current protection modes. A whisper-quiet internal cooling fan generates tremendous airflow to help keep components cool.



Switchable AC Input Voltage: 110 Vac at 47-62 Hz, 220 Vac at 47-63 Hz  
Super Regulation: Works with 85-135 Vac or 170-260 Vac AC input  
MFJ-4125 Compact Switching Power Supply, 25 Amp, 13.8 Vdc .....**\$109.50**

**AMR-SPS-75 75 Amp Switching Power Supply**

With 75 amps continuous output, this unit is perfect for Ameritron's ALS-500M 500 watt solid state amplifier. It has less than 100 mV peak-to-peak ripple under a full 75 amp load. Load regulation is better than 1.5% under full load. Other features include reverse polarity protection, brownout input protection, over-current/over-temperature protection, and a thermal-controlled quiet fan. Output Boost steps up the output from 13.8 to 14.2 Vdc to compensate for line loss. This unit can also charge a car battery.



Dimensions: 6 1/2" W x 3 1/2" H x 10" D, Weight: 7.8 lbs.  
Input: 108-132 Vac, 50/60 Hz  
Current Draw: 11 Amps  
AMR-SPS-75 Switching Power Supply, 75 Amp, 13.8 Vdc .....**\$349.95**

**MFJ-4225MV MightyLite 25 Amp Switching Power Supply**

This unit features a front panel voltage control that allows you to vary output voltage from 9 to 15 Vdc and gives you a highly regulated voltage output, including 12 Vdc and 13.8 Vdc! The front panel also has five-way binding posts for heavy-duty use and a cigarette lighter socket for mobile accessories. Large, brightly illuminated 3" dual meters make it easy to monitor load voltage and current. A whisper-quiet internal fan efficiently cools your power supply.



MFJ-4225MV MightyLite Switching Power Supply, 25 Amp, 13.8 Vdc .....**\$149.50**

**MFJ-4035MV 30/35 Amp Regulated Linear DC Power Supply**

A massive 19.2 pound transformer makes this heavy duty power supply ideal for powering your entire station, including your 100 watt transceiver and all accessories. It delivers 35 amps maximum/30 amps continuous with load regulation better than 1%. Ripple voltage is less than 30 mV. No RF hash!



The unit has over-voltage, foldback short circuit, and over-temperature protection systems. Cooling fan speed increases as load current increases to keep components cool. Front panel voltage adjustment (1 to 14 Vdc) with a convenient detent set at 13.8 Vdc. Front panel meters let you monitor voltage and current. Three sets of output terminals include a pair of heavy-duty, five-way binding posts for HF/VHF rigs. Two pairs of quick-connects for accessories, covered cigarette lighter socket, and front panel fuse holder included. Unit plugs into any 110 Vac wall outlet. Dimensions: 9 1/2" W x 6" H x 9 3/4" D.  
MFJ-4035MV Linear Power Supply, 35 Amp, 13.8 Vdc .....**\$149.50**

**MFJ-4245MV MightyLite 45 Amp Switching Power Supply**

Fits in the palm of your hand—and powerful enough to run your HF or 2M/440 MHz radio and accessories! This 45 amp MightyLite weighs just 5.5 lbs., seven times lighter than an equivalent conventional power supply. No more picking up and hauling around heavy, bulky supplies.



MFJ-4245MV MightyLite Switching Power Supply, 45 Amp, 13.8 Vdc .....**\$199.50**

**DC Power Strips**

**MFJ-1117 High Current DC Multiple Outlet Strip**

This power strip lets you power four HF/VHF radios—two at 35 amps each and two at 35 amps combined—from your transceiver's main 12 Vdc power supply.



The strip has four pairs of heavy duty, 35 amp five-way binding posts for your transceivers. Each pair is fused, RF bypassed, and spaced for standard dual banana plugs. Heavy-duty aluminum housing. Six feet of eight gauge color-coded cable with ring tongue terminals included.

MFJ-1117 High Current Multiple Outlet Strip, 35 Amps Total .....**\$64.95**

**MFJ-11C06 Anderson PowerPole® 40 Amp Connectors**

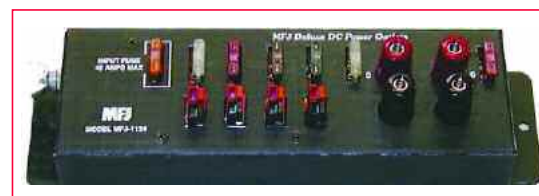
You can install PowerPole connectors on your wires by either soldering or crimping, as long as you make sure you have good, solid connections. Wires smaller than 12 gauge must be soldered to the terminals. Use a MFJ-7602 Crimper to make your own Anderson PowerPole cables with these connectors.



MFJ-11C06 Anderson PowerPole Connectors, 6 pairs .....**\$5.49**  
MFJ-7602 Anderson Connector Crimping Tool .....**\$14.95**

**MFJ-1124 PowerPole® Power Distribution Strip**

This heavy duty power distribution strip has a total of six outlets. Outlets 1-4 are Anderson PowerPole, each rated at 40 amps. Outlets 5 and 6 are 35 amp, high current binding posts. You can fuse each outlet as needed to protect your accessories or transceiver. The strip uses widely available ATC/ATO automobile fuses that plug in from the outside. The fuses can be used for 6, 12, and 24 Vdc systems. The built-in, eight gauge DC input cable is six feet long with 5/16 ring terminals. The RF-tight aluminum cabinet has mounting ears and a ground post with wing nut. Installed fuses: one each 1 amp, 5 amp, and 40 amp (main), two each 10 amp and 25 amp. Four pairs of 40 amp PowerPole contacts and five fuses (1 amp, 5 amp, 25 amp, and two 10 amp) included.



MFJ-1124 PowerPole Power Distribution Strip .....**\$64.95**

**For more Tools and Supplies turn to pages 31-32.**

# Digital Communications Made Easy! RTTY, PSK-31, CW, SSTV, & More

Station Equipment

## SignalLink™ PC/Radio Sound Card Interface

The all-new SignalLink USB combines the legendary performance of the original SignalLink SL-1+ with a state of the art, built-in low-noise sound card. All sound card digital and voice modes are supported by the SignalLink USB. This includes traditional modes such as RTTY, SSTV and CW as well as today's hottest new modes like PSK-31, MT-63 and EchoLink®. The front panel controls let you adjust your Transmit Audio, Receive Audio, and Transmit Delay on the fly.



The SignalLink USB needs just one USB connection to the computer and one connection to the radio (in most cases). Convenient front panel controls make setup and operation very easy. The SignalLink USB is fully isolated and is compatible with all radio Mic, Data, and Accessory ports. The SignalLink USB allows you to use your computer's sound card for other functions while enjoying digital communications.

Just order the correct, fully-assembled interface cable for your radio(s) and simply "plug and play." Cables are available for a Mic connector interface or rear DIN plugs on radios so equipped. Makes a neat, clean installation!

- Easy to set up
- Works with all radios
- Just plug in two cables
- Powered through USB cable
- Software included
- Easy hookup to Macintosh or PC
- Built-in sound card
- Comprehensive, easy-to-follow instructions

TIG-SL-USB SignalLink USB unit.....**\$86.95**

**Any Cable only \$12.95\* (except special Elecraft k3 cable)  
when ordered with TIG-SL-USB.  
Order one cable for each radio.**

## SignalLink™ Radio Interface Cables

Pick the correct radio interface cable for either a Mic connector interface or rear DIN plugs on radios so equipped. Some radios do not have the "RX Audio" signal on the Mic connector and will require a mono cable to be installed between the SignalLink USB and the radio. This is never an issue if you attach the SignalLink to your radio's Data or Accessory port.

TIG-SL-CAB4R	4-Pin Round Mic connector Interface Cable .....	<b>\$14.95</b>
TIG-SL-CAB8R	8-Pin Round Mic connector Interface Cable .....	<b>\$14.95</b>
TIG-SL-CABRJ1	RJ-11 Mic Connector Interface Cable.....	<b>\$14.95</b>
TIG-SL-CABRJ4	RJ-45 Mic Connector Interface Cable.....	<b>\$14.95</b>
TIG-SL-CAB5PD	5-Pin DIN Interface Cable .....	<b>\$14.95</b>
TIG-SL-CAB8PD	8-Pin DIN Interface Cable .....	<b>\$14.95</b>
TIG-SL-CAB13I	13-Pin DIN Icom Interface Cable.....	<b>\$19.95</b>
TIG-SL-CAB13K	13-Pin DIN Kenwood Interface Cable .....	<b>\$19.95</b>
TIG-SL-CAB6PM	6-Pin Mini-DIN Interface Cable.....	<b>\$14.95</b>
TIG-SL-CABNC	Unterminated Cable Interface Cable .....	<b>\$7.95</b>
TIG-SL-CABK3	Special Elecraft K3 Interface Cable.....	<b>\$24.95</b>
TIG-SL-HEAD	Header Plug for Radio Programming .....	<b>\$5.00</b>
<b>Preprogrammed "Plug and Play" Radio Jumper Modules</b>		
TIG-SL-MOD13I	Jumper Module, ICOM 13-pin accessory port .....	<b>\$7.95</b>
TIG-SL-MOD13K	Jumper Module, Kenwood 13-pin accessory port .....	<b>\$7.95</b>
TIG-SL-MOD6PM	Jumper Module, 6-pin mini-DIN.....	<b>\$7.95</b>
TIG-SL-MOD8PD	Jumper Module, 8-pin DIN .....	<b>\$7.95</b>

## MFJ SWR/Wattmeter, 1.8-30 MHz

The world's largest HF SWR/wattmeter with a giant 6 1/2" (diagonal) meter scale! You get ultra-fine resolution with big high-contrast numbers to make reading a breeze, even across your shack. MFJ's exclusive TrueActive™ peak reading circuit captures true peak or average forward and reflected power readings. The 20/200/2,000 watt ranges make this meter valuable for QRP or QRO operation. Measures 7" W x 5 1/2" H x 5" D.



MFJ-868 HF SWR/Wattmeter .....**\$149.50**  
MFJ-1312D Power Supply, 12 Vdc/500 Milliamp .....**\$15.50**

## MFJ Auto Ranging SWR/Wattmeter, 1.8-60 MHz

**New!**

This auto ranging, microprocessor-controlled wattmeter has a giant 6 1/2" (diagonal) meter scale. It has 20/200/2,000 watt ranges with true peak, average forward, and reflected power modes plus fully automatic SWR readings. Other features include an amplifier bypass control and control relay for high SWR, field-upgradeable firmware, and high SWR audio and visual alarms. Measures 7" W x 5 1/2" H x 5" D.



MFJ-869 Auto Ranging SWR/Wattmeter.....**\$219.95**  
MFJ-1312D Power Supply, 12 Vdc/500 Milliamp .....**\$15.50**

## MFJ-121B Dual Time Zone Atomic Clock

Read both UTC and local time at a glance with this dual atomic clock. It displays 12 and 24 hour time simultaneously—each can be independently set. Daylight savings time can be disabled. Automatic backlight is activated daily at your preset time and stays on for 8 hours. The display has huge 2" tall by 1" wide LCD numerals, an exclusive UTC zone, and a running seconds display. 11 3/8" W x 7 1/4" H x 1" D, wall- or desk-mountable. Runs on four 'AA' batteries (not included).



**New!**

MFJ-121B Dual Time Zone Illuminated Atomic Clock .....**\$79.95**

## MFJ-130RC Calendar/Time/Temp Atomic Clock

**New!**

Metallic blue/silver clock has a giant 8 1/2" x 9" LCD display with 2 1/4" tall time digits with month/date/day and indoor temperature displayed below. Auto daylight savings time can be turned off when setting clock for UTC. Running seconds display. Temperature displayed in Fahrenheit. 10 3/4" W x 6" H x 3/4" D, wall- or desk-mountable. Runs on two 'AA' batteries (not included).



MFJ-130RC Calendar/Time/Temp Clock .....**\$28.95**

## MFJ-133RC Compact Dual Time Zone Atomic Clock

**New!**

Compact (4" W x 3" H x 3/4" D) clock folds up and slides in your shirt pocket. Lets you read any two time zones in 12 or 24 hour format. Atomic-controlled for absolute pin-point accuracy. Large 1 1/8", high-contrast LCD numerals are easily read from 6 feet away.



MFJ-133RC Compact Dual Time Zone Atomic Clock .....**\$34.95**

## About Dummy Loads

The dummy load is a device used in place of an antenna when testing a radio transmitter. Also known as a dummy antenna, it is substituted for an antenna so the transmitter does not interfere with other radio transmissions. The dummy load absorbs transmitter power and presents the proper load to the transmitter output to prevent damage or incorrect adjustment. The dummy load should be a pure resistance, representing the ideal impedance of the antenna or transmission line that is used with the transmitter—50 Ω for amateur use. This will provide a standing wave ratio (SWR) of 1:1. The energy absorbed by the dummy load is converted to heat. That means you need a dummy load that is rated to safely handle the amount of power that is delivered by the transmitter.

### Ameritron Oil-Filled Dummy Load, 1.5 kW

• SWR under 1.2:1 to 30 MHz and low SWR to 400 MHz • Heavy-duty 50 Ω resistor • 7 1/2" H x 6 5/8" D  
AMR-ADL-1500 Oil-Filled Dummy Load, 1.5 kW.....**\$67.95**

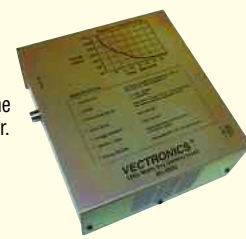
### Vectronics Fan-Cooled Dummy Load, 2,500 Watts, 0-150 MHz

• SWR of less than 1.3:1 at 30 MHz • Resistor Type: Dispersed carbon particles fired in a ceramic matrix  
VEC-DL-2500 Fan-Cooled Dummy Load, 2,500W, 0-150 MHz.....**\$194.96**

### Vectronics Air-Cooled Dummy Load, 1,500W, 0-650 MHz

• SWR: <1.3:1 DC-300MHz; <1.5:1 300-650MHz; <2.0:1 650-1,000MHz • Resistor Type: Dispersed carbon particles fired in ceramic matrix  
VEC-DL650M Air-Cooled Dummy Load, 1,500W, 0-650 MHz .....**\$79.95**

**New!**



## Microphones and Headsets

**Microphones**—Famous Heil microphones are for the enthusiast who appreciates professional sound. The PRO series with broadband elements is ideal for the latest audio equalizers and processors.

HEI-PR781	Dynamic Cardioid Studio Quality Mic, 3-Pin XLR .....	<b>\$139.00</b>
HEI-GM-4	GOLDLINE 2-Element Mic, HC4 Element .....	<b>\$129.00</b>
HEI-GM-5	GOLDLINE 2-Element Mic, HC5 Element .....	<b>\$129.00</b>
HEI-GM-V	Hi-Impedance GM for Vintage Rigs .....	<b>\$135.00</b>
HEI-HM-4	Handi-Mic Hand Mic, HC4 Element .....	<b>\$79.00</b>
HEI-HM-5	Handi-Mic Hand Mic, HC5 Element .....	<b>\$85.00</b>
HEI-HM-IC	Handi-Mic/Electret Element, Icom .....	<b>\$85.00</b>
HEI-HM-10-DUAL	Desk Mic, HC4 and HC5 Elements .....	<b>\$119.00</b>
HEI-HM-PRO	Handi-Mic with Broadcast Element .....	<b>\$85.00</b>
HEI-ICM	Desk Mic for Icom, 8 ft. 8-Pin Cable Attached .....	<b>\$99.00</b>
HEI-PR20	PRO Broadcast Cardioid Mic, 3-Pin XLR .....	<b>\$150.00</b>
HEI-PR40	PRO Wide Range Cardioid Mic, 3-Pin XLR .....	<b>\$325.00</b>

**Headsets**—Headsets combine comfort and great sound. The boomsets feature the famous Heil microphone elements.

HEI-BM-10-4	Boom Mic/Headset, HC4 Element .....	<b>\$89.00</b>
HEI-BM-10-5	Boom Mic/Headset, HC5 Element .....	<b>\$89.00</b>
HEI-BM-10-IC	Boom Mic/Headset/Adapter, Icom Electret .....	<b>\$99.00</b>
HEI-PROSET-4	PRO Boom Mic/Headset, HC4 Element .....	<b>\$125.00</b>
HEI-PROSET-5	PRO Boom Mic/Headset, HC5 Element .....	<b>\$125.00</b>
HEI-PROSETIC	PRO Boom Mic/Headset/Adapter, Icom Electret .....	<b>\$139.00</b>
HEI-PROSETPLUS	PRO Boom Mic/Headset, HC4 and HC5 Elements .....	<b>\$189.00</b>
HEI-PROSETPLUSIC	PRO Boom Mic/Headset, HC4 for ICOM .....	<b>\$199.00</b>
HEI-HTSS	Single Side TRAVELER Headset .....	<b>\$75.00</b>
HEI-HTDS	Dual Side TRAVELER Headset .....	<b>\$89.00</b>
HEI-HQPP	Quietphone Pro Noise Canceling Headset .....	<b>\$170.00</b>
HEI-MB1-4	QPP Boom Mic Kit, HC-4 Element .....	<b>\$74.00</b>
HEI-MB1-5	QPP Boom Mic Kit, HC-5 Element .....	<b>\$79.00</b>
HEI-MB1-6	QPP Boom Mic Kit, HC-6 Element .....	<b>\$79.00</b>
HEI-MB1-IC	QPP Boom Mic Kit, Icom Condenser Element .....	<b>\$79.00</b>

**Cables and Adapters**—Rugged HeilWire assemblies allow connection of Heil Sound devices to transceivers. Visit DXEngineering.com and look up your specific mic or headset and its "Suggested Parts" link to confirm compatibility.

### Cables/Adapters for Icom

HEI-AD-1-I	PROSET 8-Pin Adapter Cable .....	<b>\$19.00</b>
HEI-AD-1-IM	PROSET Modular Adapter Cable .....	<b>\$19.00</b>
HEI-AD-1-IC	PROSET 8-Pin Adapter Cable .....	<b>\$19.00</b>
HEI-AD-1-ICM	PROSET Modular Adapter Cable .....	<b>\$19.00</b>
HEI-CC-1-I	XLR4 to 8-Pin Mic Cable .....	<b>\$29.00</b>
HEI-CC-1-IM	XLR4 to Modular Mic Cable .....	<b>\$34.00</b>
HEI-CC-1-XLR-IXLR	3 to 8-Pin Mic Cable .....	<b>\$34.00</b>
HEI-CH-1-I8	XLR4 to 8-Pin Mic Coil Cable .....	<b>\$23.00</b>
HEI-CH-1-IM	XLR4 to Modular Mic Coil Cable .....	<b>\$23.00</b>
HEI-HSTA-IC8	TRAVELER Adapter, Icom 8-Pin .....	<b>\$23.00</b>
HEI-HSTA-IM	TRAVELER Adapter, Icom Modular .....	<b>\$23.00</b>

## MFJ-616 Speech Intelligibility Enhancer

*"As I got older, my high frequency hearing loss was destroying...ham radio for me..." Martin F. Jue, K5FLU/President and Founder of MFJ Enterprises, Inc.*

Developed by Martin Jue to compensate for his hearing loss, this enhancer significantly increases speech energy above 500 Hz where 83% of intelligibility is concentrated, and reduces speech energy below 500 Hz where only 4% of intelligibility lies. Amateur radio communications limit audio to about 300 to 2700 Hz. The enhancer splits the audio band into four overlapping octave ranges centered at 300, 600, 1200, and 2400 Hz. You can boost or cut each range by nearly 20 dB to maximize speech intelligibility for most kinds of frequency loss.

Output audio is split into left and right channels with separate 2.5 watt amplifiers; a balance control lets you equalize the perceived loudness to each ear. The enhancer works with SSB, FM, AM, CW or any voice mode on ham, marine, aircraft, and CB bands.

MFJ-616 Speech Intelligibility Enhancer.....**\$189.95**



**New!**

## MFJ-392B Communications Headphones

These headphones are perfect for amateur radio and shortwave listening in all modes—SSB, FM, AM, data, and CW in mono or stereo. Each earphone has an individual volume control. The padded headband and ear-cushioned design make listening extremely comfortable. The headphones handle 450 mW and have 100-24,000 Hz frequency response. Impedance: 16 Ω at 1 KHz. Sensitivity: 102dB/mW.

MFJ-392B Communications Headphones.....**\$24.75**

**New!**



# Heil Sound



**New!**



Station Equipment

### Cables/Adapters for Kenwood

HEI-AD-1-K	PROSET 8-Pin Adapter Cable .....	<b>\$19.00</b>
HEI-AD-1-KM	PROSET Modular Adapter Cable .....	<b>\$19.00</b>
HEI-CC-1-K	XLR4 to 8-Pin Mic Cable .....	<b>\$34.00</b>
HEI-CC-1-KM	XLR4 to Modular Mic Cable .....	<b>\$34.00</b>
HEI-CC-1-XLR-K	XLR3 to 8-Pin Mic Cable .....	<b>\$34.00</b>
HEI-CH1-K8	XLR4 to 8-Pin Mic Coil Cable .....	<b>\$23.00</b>
HEI-CH-1-KM	XLR4 to Modular Mic Coil Cable .....	<b>\$23.00</b>
HEI-HSTA-K8	TRAVELER Adapter, Kenwood 8-Pin .....	<b>\$23.00</b>
HEI-HSTA-KM	TRAVELER Adapter, Kenwood Modular .....	<b>\$23.00</b>

### Cables for Ten-Tec

HEI-CC-1-Y	XLR4 to 4-Pin Mic Cable .....	<b>\$34.00</b>
HEI-CC-1-T	XLR4 to 4-Pin Mic Cable .....	<b>\$34.00</b>

### Cables/Adapters for Yaesu

HEI-AD-1-Y	PROSET 8-Pin Adapter Cable .....	<b>\$19.00</b>
HEI-AD-1-YM	PROSET Modular Adapter Cable .....	<b>\$19.00</b>
HEI-CC-1-Y	XLR4 to 8-Pin Mic Cable .....	<b>\$34.00</b>
HEI-CC-1-YM	XLR4 to RJ-45 Modular Mic Cable .....	<b>\$34.00</b>
HEI-CC-1-XLR-Y	XLR3 to 8-Pin Mic Cable .....	<b>\$34.00</b>
HEI-CH-1-Y8	XLR4 to 8-Pin Mic Coil Cable .....	<b>\$23.00</b>
HEI-CH-1-YM	XLR4 to Modular Mic Coil Cable .....	<b>\$23.00</b>
HEI-AD-100	Adapter, Yaesu 8-Pin Round to 6-Pin Modular .....	<b>\$19.00</b>
HEI-ADMY-817	Adapter, Yaesu 8-Pin Mic To FT-817 Modular .....	<b>\$25.00</b>
HEI-HSTA-YM	TRAVELER Adapter, Yaesu 8P Modular RJ45 .....	<b>\$23.00</b>

### Accessories

HEI-CB-1-PTT	CLASSIC Base with PTT/Cough Switch .....	<b>\$70.00</b>
HEI-SB-2	Small Adjustable Mic Boom .....	<b>\$42.00</b>
HEI-PL2T	Topless PROLINE Boom .....	<b>\$105.00</b>
HEI-SM-1	Shock Mount for 1" Stem Dia. Mic, GM/PR20 .....	<b>\$59.00</b>
HEI-SM-2B	Black Shock Mount for 2" Stem Dia. Mic, PR40 .....	<b>\$95.00</b>
HEI-TM-1	Tri-Mount Mic Adapter .....	<b>\$14.00</b>
HEI-FS-2	Dual Switch Foot Switch .....	<b>\$38.00</b>
HEI-HS-2	Ergonomic Pistol Grip Hand Switch .....	<b>\$29.00</b>
HEI-BAG1	Leatherette Travel Bag for PROSET .....	<b>\$25.00</b>
HEI-BAG2	Leatherette Travel Bag for QPHONE/BM/TRAV .....	<b>\$20.00</b>

## MFJ-434B Contest Voice Keyer™

Let this microprocessor-controlled Contest Voice Keyer call CQ, send your call, and do contest exchanges for you in your own natural voice!

You can record and play back five natural-sounding messages in a total of 75 seconds. EEPROM technology stores messages for up to 100 years with no battery backup needed.

You can repeat messages continuously and vary the repeat delay from 3 to 500 seconds. A receive audio jack lets you record and play back off-the-air signals—no more "please repeat". Makes a great voice beacon too. Keyer requires a 9 volt battery, 9-15 Vdc power source, or 110 Vac with optional MFJ-1312D Wall Adapter. Uses 8-pin modular or 8-pin round microphone plug.

MFJ-434B	Contest Voice Keyer.....	<b>\$199.95</b>
MFJ-1312D	Power Supply, 12 Vdc/500 Milliamp .....	<b>\$15.50</b>



**New!**

## MFJ-281 ClearTone Communications Speaker

Plug in the ClearTone speaker and bring out communication speech fidelity that you never knew existed. It restores the smooth sound of sinewaves that CW naturally generates and makes it easy to copy. The ClearTone speaker improves speech intelligibility in the 600 to 4,000Hz frequency range while reducing undesirable noise, static, and hum. Has a 6 ft. cord and 3.5mm mono plug. Output: 8 watts. Impedance: 8 Ω. Dimensions: 3 3/4" H x 3" W x 2 1/4" D.

MFJ-281 ClearTone Communications Speaker.....**\$12.75**

**New!**



## Ameritron Power Amplifiers

### AL-811 600 Watt HF Amplifier, Three 811A Tubes

The AL-811 gives you 600 watts PEP output—nearly 2 full S-units over your barefoot rig. That could mean the difference between hearing “you’re Q-5 armchair copy” and “Sorry can’t copy you, too much QRM.” Now you won’t have to stand aside while the “big guns” steal your DX—you’ll be able to log some of those stations first. Going from 600 watts to the full legal limit (1,500 watts) gives you less than one S-unit increase and can cost three or four times more money. Get this amplifier and you’ll get a powerful punch at a price that’s easy on your wallet.

AMR-AL-811 US version ..... **\$679.00**  
 AMR-AL-811XCE Export only version..... **\$729.00**



### AL-811H 800 Watt HF Amplifier, Four 811A Tubes

This amplifier gives you 800 watts PEP output for that extra punch you need to be heard when a 100 watt transceiver isn’t enough. Only Ameritron gives you four fully neutralized 811A transmitting tubes. You get absolute stability and superb performance on higher bands that can’t be matched by un-neutralized tubes.

AMR-AL-811H US version ..... **\$819.00**  
 AMR-AL-811HXCE Export only version..... **\$869.00**



### AL-572 1,300 Watt HF Amplifier, Four 572B Tubes

The Ameritron AL-572 is a 1,000 watt CW/1,300 watt PEP (nominal output power) linear amplifier that operates on all amateur bands from 160 through 15 meters (and WARC bands and ten meters with reduced performance). It uses four 572B tubes in a class AB2 grounded grid circuit. The amplifier is factory wired for 120 volt, 50/60 Hz AC line voltage. It easily converts to other supply voltages between 90 and 250 volts AC.

AMR-AL-572 **Free UPS Ground Shipping!**..... **\$1,679.00**



### AL-80B 1 kW HF Amplifier, One 3-500Z Tube

You get up to a full kilowatt PEP output and nearly 70% efficiency from this whisper-quiet desktop linear amplifier. It covers all bands from 16 through 15 meters, including WARC and MARS. You get up to 1,000 watts output on SSB, 800 watts output on CW, and 500 watts output on RTTY. Other features include an extra heavy-duty power supply, a genuine 3-500 tube, tuned input, Pi/Pi-L output, inrush current protection, multi-voltage transformer, dual cross-needle meters, and QSK compatibility. Made in the USA, two year warranty. Modification instructions for operation on 10 and 12 meters are available with proof of a valid amateur radio license.

AMR-AL-80B ..... **\$1,329.00**



### AL-800 1.25 kW HF Amplifier, One 3CX800 Tube

The AL-800 is a 1,200 watt PEP output linear amplifier that operates from 160 through 15 meters. It uses a single 3CX800A7 tube in a class AB2 grounded grid circuit. The AL-800 is factory-wired for 120 volt, 50/60 Hz AC line voltage. It is easily converted to other supply voltages between 90 and 250 volts AC. Modification instructions for operation on 10 and 12 meters are available with proof of a valid amateur radio license.

AMR-AL-800 **Free UPS Ground Shipping!**..... **\$2,349.00**



### AL-800H 1.5kW+ HF Amplifier, Two 3CX800 Tubes

The AL-800H is a 1,500 watt output linear amplifier that operates from 160 through 15 meters. It uses a pair of 3CX800A7 tubes in a class AB2 grounded grid circuit. The AL-800H is factory wired for 240 volt, 50/60 Hz AC line voltage. It is easily converted to other supply voltages between 90 and 250 volts AC. Modification instructions for operation on 10 and 12 meters are available with proof of a valid amateur radio license.

AMR-AL-800H **Free UPS Ground Shipping!**..... **\$3,549.00**



### AL-1200 1,500 Watt HF Amplifier, One 3CX1200A7 Tube

The AL-1200 is a 1,500 watt output linear amplifier that operates from 160 through 15 meters. It uses a single 3CX1200A7 tube in a class AB2 grounded grid circuit. CW FM and RTTY efficiency is improved by shifting the bias deeper into class B. The heavy-duty power supply and RF components, combined with a forced air system using chimneys, provide long service life. The AL-1200 is factory wired for a 240 volt, 50/60 Hz line voltage. It features a super heavy-duty power supply that loafs at full legal power—it can deliver more than 2,500 watts PEP two tone output for a half-hour!

AMR-AL-1200 **Free UPS Ground Shipping!**..... **\$2,999.00**



### ALS-500MR 500 Watt HF Mobile Amplifier/Remote Combo

The ALS-500MR combines the ALS-500M amplifier with the ALS-500RC remote control unit. It is a 500 watt PEP output, solid state linear amplifier that uses rugged, conservatively rated bipolar RF devices in the power output section.

AMR-ALS-500MR ..... **\$779.00**



### ALS-1300 1200 Watt Solid State Amp with AC Power Supply

The Ameritron ALS-1300 is a 1,200 nominal watt output, solid state, linear amplifier which provides continuous frequency coverage from 1.5 through 22 MHz (160 thru 15 meters) with no tuning adjustments. An AMR-MOD-10MK modification kit is available to extend operation up to 30 MHz with a copy of a valid amateur license. The matching separate power supply, ALS-1300SPS, is shipped factory wired for 220 volt, 50/60 Hz power mains and is easily converted to 110 volts.

AMR-ALS-1300 **Free UPS Ground Shipping!**..... **\$2,499.00**



### AL-82 High Power HF Amplifier, Two 3-500Z Tubes

The AL-82 is designed to give you years of trouble-free service at the full legal output power limit. It features a 1,800 watt continuous, commercial rated Hypersil transformer with heavy duty rectifiers and computer capacitors in a full wave bridge supply. Two bias settings allow either high efficiency RTTY and CW operation at 1,500 watts of output at nearly 70% plate efficiency, or low distortion 1,500 watts PEP, SSB, or SSTV output. The tuning capacitors and bandswitch have a 35% safety factor to virtually eliminate tank circuit component failures, even under adverse operating conditions.

The cooling system keeps the components and tubes safely below the manufacturer’s ratings, even while operating at 1,500 watts output with a steady carrier. The filament supply has inrush current limiting to ensure maximum tube life. Shielding and bypassing help prevent TVI and RFI at high power levels.

AMR-AL-82 **Free UPS Ground Shipping!**..... **\$2,459.00**



*Free UPS Ground Shipping applies to Domestic United States only.*

New!

AMERITRON®

# The BetterRF Company

## i-Mate Memory Control

The i-Mate allows external selection of pre-recorded voice and keyed messages for the Icom IC-7600/7700/7800, IC-756 PROII/III, and IC-7000 transceivers, and keyed CW messages for the IC-746 PRO transceiver. It eliminates the need for shifting the display from operating mode to memory select mode just to transmit a pre-recorded message. Four buttons allow direct access to your messages. The i-Mate has a pulsed sinewave oscillator for tuning amplifiers and antenna tuners. An alternate audio input is provided for a second microphone or boomset. Connection and power from a single microphone jack.



New!

- Works with CW and voice
- Send memories while keeping the spectrum scope on the display
- Easier access to memories with less hand movement
- Heil Pro-Set plugs directly into the i-Mate without an adaptor
- Separate PTT switch to key transceiver for digital modes
- Auxiliary input can be used for digital modes
- MIC 1 switch allows switching between standard 8 pin microphone connector and MIC 2 auxiliary input
- 30 wpm pulsed oscillator for tuning—save finals in the amplifier, 50% duty cycle while tuning
- Adjust pulsed oscillator with a small screwdriver

BET-I-MATE Icom Memory Control .....\$74.99  
 ICO-OPC-589 Microphone adapter for IC-7000 transceiver .....\$39.99

## 7000 Tune Control

This control lets you use the Tune/Call button on your Icom IC-7000 transceiver for an external manual tuner. The SWR is displayed on the radio as you tune an antenna, amplifier, or external tuner. Cable included to connect to the CI-V jack and motorized antenna control. Output: Constant 30 watts out or pulsed (50% duty cycle) at user selectable power.



New!

BET-7000TUNE .....\$54.99

## 7000 Screwdriver Control

This control lets you use any screwdriver antenna with an Icom IC-7000 transceiver. All tuning is done with the existing IC-7000 controls—no extra buttons or speakers required. No RF connections or radio/antenna modifications needed. An Icom 7000 Tune Control is required.



New!

BET-7000SCR .....\$84.99

## Yaesu Tune Control

This control lets you use the Tune button function on your Yaesu FT-100, FT-857, or FT-897 transceiver provide a low power output for tuning, adjusting an antenna, checking SWR, etc. no matter what mode you are using. It provides an interface between your Yaesu transceiver and Icom type-accessories (such as an antenna tuners), tuners from other manufacturers, and screwdriver antenna controllers. No radio modification required. Can be used on Yaesu FT-450 and FT-950 transceivers with easy modifications. Interface cable included.



New!

BET-YAETUNE .....\$44.99

## 706 Tune Control

Use the Tune/Call button on your Icom IC-706 (all models) and IC-718 transceiver to tune your antenna, an antenna tuner, or to check SWR. Push the button once and the transceiver emits 10 watts, steady carrier and sidetone through an internal or external speaker.



New!

BET-706TUNE .....\$32.99

### AL-1500 High Power HF Amplifier, One 3CX1500/8877 Tube

The AL-1500 will deliver 1,500 watts CW output with only 65 watts drive. It features the Herculean Eimac 3CX1500/8877 tube for continuous, full legal output with minimum exciter wear. The AL-1500 also features time delay starting to protect the tube and over-current shut off to remove the drive if mistuned. A commercial-grade, die-cast ball bearing blower provides quiet operation at full rated airflow to maximize tube life.



AMR-AL-1500 **Free UPS Ground Shipping!** .....\$3,299.00

### ALS-500M 500 Watt HF Mobile Amplifier, Remote Ready

The ALS-500M is a 500 watt PEP output, solid state linear amplifier that uses rugged, conservatively rated bipolar RF devices in the power output section. The ALS-500M operates at full power with continuous frequency coverage from 1.5 through 21.6 MHz (160 through 15 meters). This amplifier requires no tuning adjustments. The amplifier is set up for use with Ameritron's ALS-500RC remote control unit. A modification kit (AMR-MOD-10M) is available to extend operation to 30 MHz with proof of a valid amateur radio license.



AMR-ALS-500M.....\$739.00

### ALS600 600 Watt HF Amplifier with AC Power Supply

The ALS-600 is a 600 nominal watt output, solid state linear amplifier that features state-of-the-art, high voltage, RF TMOS FET devices in the power output section. The ALS-600 provides continuous frequency coverage from 1.5 through 22 MHz (160 through 15 meters) with no tuning adjustments.



The matching AC power supply is factory wired for 120 volt, 50/60 Hz line voltage and is easily converted to other supply voltages between 100 and 240 volts. A modification kit (AMR-MOD-10M) is available to extend operation to 30 MHz with proof of a valid amateur radio license.

AMR-ALS600.....\$1,269.00

### ALS-600S 600 Watt HF Amplifier with Switching AC Power Supply

The ALS-600S is a 600 nominal watt output, solid state linear amplifier that features state-of-the-art, high voltage, RF TMOS FET devices in the power output section. The ALS-600S provides continuous frequency coverage from 1.5 through 22 MHz (160 through 15 meters) with no tuning adjustments. Broadband five-pole low pass filters provide output harmonic suppression in excess of all FCC requirements.



The matching switching AC power supply is factory wired for 120 volt, 50/60 Hz line voltage and is easily converted to other supply voltages between 90-130 and 185-260 volts. A modification kit (AMR-MOD-10M) is available to extend operation to 30 MHz with proof of a valid amateur radio license.

AMR-ALS-600S .....\$1,369.00

## Ameritron Power Amplifier Accessories

### Amplifiers

AMR-ARB-704 Universal Amplifier Buffer, for all transceivers .....\$57.95  
 AMR-ARB-704I2 Amplifier Interface for Icom 706/7000 .....\$57.95

### Interface Cables

AMR-PNP-13D 704 to IC-706/7000 .....\$16.95  
 AMR-PNP-5M 704 to FT-847 Yaesu .....\$16.95  
 AMR-PNP-7D 704 to TS-440/690/450/180/140/950/130/870 and Kenwood .....\$16.95  
 AMR-PNP-8D 704 to FT-1000/900/767/920/990/747 Yaesu .....\$16.95  
 AMR-PNP-8M 704 to FT-890/840/817 Yaesu .....\$16.95  
 AMR-PNP-8MK 704 to 8-Pin Mini, TS-480 Kenwood .....\$16.95

### Accessories

AMR-QSK-5 QSK Amplifier Switch .....\$324.00  
 AMR-MOD-10M\* 10 Meter Mod Kit for ALS-600/600S/ALS-500M .....\$27.95  
 AMR-MOD-10MB\* 10 Meter Mod Kit for ALS-600/600S, serial number 12522 & up .....\$27.95  
 AMR-MOD-10MK 10 Meter Mod Kit for ALS-1300 .....\$37.95  
 AMR-SPS-75 Switching Power Supply, 75 amp continuous, 13.6 Vdc .....\$349.95  
 DXE-DCB-36 Dual Shielded Cable with RCA connectors, 3 ft .....\$3.99  
 DXE-DCB-72 Dual Shielded Cable with RCA connectors, 6 ft .....\$5.99

\* Requires proof of Amateur License

Station Equipment

## MFJ Antenna Tuners

### 200 Watt MightyMite IntelliTuner™

At just 6.5" x 2.15" x 8.25", the MightyMite complements today's compact HF transceivers like the IC-706MKIIG, IC-7000, FT-857D, DX-70TH and TS-50S. It can also be used as a stand-alone automatic antenna tuner for any transceiver that has an output power of 2 to 200 watts SSB/CW from 1.8-30 MHz, with antenna impedances from 6 to 1,600 Ω.



MFJ-925 .....\$169.95

### 200 Watt Automatic Antenna Tuner for HF SSB

This automatic antenna tuner covers the entire HF band from 1.6 to 30 MHz. It handles 200 watts PEP maximum with 10 watts minimum input power. You can use the tuner to directly tune random length wire or aluminum tubing antennas. Use the unit outside at the base of your ham station antenna—it has a durable hard plastic cover and chassis plus an inner lip black rubber seal to keep the interior electronics cool and dry for many years of dependable use.



MFJ-926 .....\$389.95  
MFJ-927 200 Watt Automatic IntelliTuner™ with Weather Protection.....\$249.95

### 200 Watt IntelliTuner™

The IntelliTuner™ lets you rapidly tune any antenna—unbalanced or single-wire—automatically. It is a comprehensive automatic antenna tuning center with SWR/wattmeter and antenna switch for two antennas. The tuner includes a highly efficient switching L-network with wide matching capability, 1.8 to 30 MHz coverage, a radio interface port, and heavy-duty 10 amp/1,000 volt relays. It is rated at 200 watts SSB/CW.



MFJ-929 .....\$209.95

### 1.8 to 30 MHz Artificial Ground

This artificial RF ground resonates a random length of wire thrown along the floor and produces a tuned counterpoise. This ground effectively places your rig near actual earth ground potential even if the rig is on the second floor or higher with no earth ground possible. It reduces the electrical length of the ground connection wire to virtually zero by tuning out its reactance. The artificial ground connects between your rig and a random length of wire or a connecting ground wire. It's tuned for maximum ground current using the built-in RF ammeter.



MFJ-931 .....\$104.95

### 300 Watt Antenna Tuner/Artificial Ground

This unit combines a versatile antenna tuner with an artificial ground. It turns a random wire into an effective antenna that works. It's great for traveling, emergency use, or as a makeshift antenna. The 300 watt, general purpose antenna tuner covers 1.8 to 30 MHz. It features a two range, lighted cross-needle meter that lets you read SWR, forward and reflected power all at a glance, and a 4:1 balun for balanced lines. You also get an efficient airwound inductor, a special high-current/voltage 12 position inductor switch, and two 1,000 volt air-variable capacitors. It tunes all types of antennas and feedlines including random wire, coax and balanced lines.



MFJ-934 .....\$194.95

### 300 Watt Antenna Tuner

This 300 watt RF output power antenna tuner will match any transmitter or transceiver to virtually any antenna. Peak or average forward and reflected power plus SWR can be read on the illuminated cross-needle meter. The tuner uses a "T" matching network and covers all bands between 160 and 10 meters. This network will tune dipoles, inverted-vees, verticals, mobile whips, beams, random wires, and many other antenna types. The tuner has rear panel connectors for coaxial, single wire or two wire feedlines. A built-in 4:1 balun allows the use of balanced open wire, twinlead, or twin-axial feedlines.



MFJ-949E.....\$154.95

### HF 1,500 Watt Antenna Tuner with Wattmeter & Antenna Switch

This tuner handles 1,500 watts PEP SSB amplifier input power (800 watts PEP SSB amplifier output power)—ideal for use with Ameritron's best-selling 800 watt AL-811H or 600 watt AL-811 amplifiers! The ultra-compact (10.75" x 4" x 10.875") tuner features an aluminum-skirted knob set with a weighted deluxe spinner knob and a scratch-proof, multi-colored Lexan front panel. Two transmitting tuning capacitors and MFJ's exclusive AirCore roller inductor gives you precise control to get your SWR down to an absolute minimum.



MFJ-962D .....\$259.00

### 300 Watt Roller Inductor Antenna Tuner

This tuner's AirCore Roller Inductor, gear-driven turns counter, and spinner knob gives you exact inductance control for absolute minimum SWR. You get the widest matching range, ultra-high-Q, the lowest loss, highest efficiency and highest power handling of any roller inductor in ham radio. Other features include a full size lighted cross-needle SWR/wattmeter that reads true peak forward power, QRM-Free PreTune, eight-position antenna switch, built-in 50 Ω dummy load, and a heavy-duty 4:1 balun, all enclosed in a tough, attractive cabinet.



MFJ-969 .....\$184.95

### 1,500 Watt Fully Balanced Antenna Tuner

This is a full legal limit, fully balanced antenna tuner. You get superb balance, very wide matching ranges (12-2,000 Ω), and continuous 1.8 to 30 MHz coverage including all WARC bands! It handles a full 1,500 watts SSB and CW. You can tune any balanced lines including 600 Ω open wire line, 450/300 Ω ladder lines, and 300/72 Ω twin lead—shielded or unshielded. You can also tune random wires and coax-fed antennas.



MFJ-976 .....\$479.00

### 1,500 Watt Antenna Tuner with Dummy Load

This roller inductor tuner is a CW antenna tuner rated to the US amateur legal limit of 1,500 watts. It is designed to match 50 Ω output amplifiers, transmitters, or transceivers to virtually any antenna. Peak and average forward power, reflected power, and SWR are displayed on the illuminated cross-needle meter. The roller inductor "T" matching network continuously tunes all frequencies from 1.8 through 30 MHz. You can match dipoles, inverted-vees, verticals, mobile whips, beams, random wires and many other antenna types. The tuner has rear panel connectors for coaxial, single wire or two wire feedlines. A built-in 4:1 balun allows the use of balanced open wire, twinlead, or twin-axial feedlines.



MFJ-989D.....\$319.00

### Dual 300/150 Watt IntelliTuner™ Automatic Antenna Tuner

This tuner lets you rapidly tune any antenna—balanced, unbalanced, or single-wire—automatically. The tuner is a comprehensive automatic antenna tuning center with SWR/wattmeter, antenna switch for two antennas, and a 4:1 current balun for balanced lines. Other features include a highly efficient switching L-network with wide matching capability, 1.8 to 30 MHz coverage, cross-needle power meters, backlight LCD display, a port for an accessory remote control, a radio interface port, and heavy-duty 16 amp/1,000 volt relays. The tuner is rated at 300 watts to match 6 to 1,600 Ω antennas (SWR up to 32:1) or 150 watts to match wider range of 6 to 3,200 Ω (SWR up to 64:1).



MFJ-993B .....\$239.00