



# Unadilla Baluns & Traps

## W2AU 1:1 & 4:1 Wire Baluns

Long the standard of the industry the W2AU baluns are built to last!

The W2AU is the preferred Balun of Amateurs worldwide. W2AU's operate at 1.1:1 or less VSWR from 1.8 to 40 MHz, and handle powers up to 2 KW PEP (at SWRs of less than 3:1). W2AU Baluns are transformer designs with ferrite cores to provide 95% minimum coupling efficiency. Each has a built-in lightning arrestor, hang up hook, and 600 lbs of pull-apart strength in a weatherised, rugged package using only stainless steel hardware and quality materials. Two models are available. The 1:1 matches 50(75) ohms unbalanced coax to 50(75) balanced dipoles. The 4:1 matches 50(75) ohm unbalanced coax to 200(300) ohm folded dipoles.

W2AU™ 1:1 50 ohm-50 ohm or 75 ohm-75 ohm (Transformer Type 1.8 - 40 MHz)

W2AU 4:1 200 ohm-50 ohm or 300 ohm-75 ohm (Transformer Type 1.8 - 40MHz)

W2AU 4:1 LL Ladder line / Coax Transition 4:1 Balun



## W2DU 1:1 HF & VHF Wire Baluns

W2DU Baluns use a ferrite sleeve to choke RF current on the cable shield!

The W2DU Maxi-Baluns owe their extremely high power capability to the fact that they contain no ferrite cores to saturate. Even at high SWR levels, the W2DU Baluns won't generate harmonic radiation. The internal feed line passes through ferrite beads which prevent RF current from flowing on the coax shield.

Two 50 ohm 1:1 models are available; HF (1.8-30 MHz) and VHF (30-300 MHz).

W2DU™ HF 1.8 - 30MHz (Current Type 1:1 only) \* At 10 MHz, the HF model handles over 10 KW PEP at VSWRs up to 2:1.

W2DU VHF 20 - 300MHz (Current Type 1:1 only) \* At 200 MHz, the VHF model handles over 3.2 KW PEP at VSWR's up to 2:1.

Each W2DU Balun has a built-in lightning arrestor, hang up hook, and 600 lbs of pull-apart strength in a weatherised, rugged package using only stainless steel hardware.

## Multiband Antenna Traps

Avoid switching wire antennas to work different bands.

Use Unadilla's W2VS high performance traps to convert your single dipole into a tuned, multiband wire antenna. You can also use these traps to design HF vertical multiband antennas using either wire or aluminium tubing. Traps for different bands can be combined onto one dipole to create a single antenna tuned for maximum gain on all your favourite bands, from 160 to 10.

W2VS traps are available for 80 meters and up in two versions. Rated for 2KW PEP. Built from stainless steel and aluminium hardware to resist corrosion, these rugged traps have a pull strength of over 600 lbs. Trap coils are waterproofed and condensers are epoxy-sealed.



KW-10	10 Meter (28.675 MHz) Reyco™ Coils	KW-12	12 Meter (24.950 MHz) Reyco Coils
KW-15	15 Meter (21.275 MHz) Reyco Coils	KW-17	17 Meter (18.118 MHz) Reyco Coils
KW-20	20 Meter (14.175 MHz) Reyco Coils	KW-30	30 Meter (10.125 MHz) Reyco Coils
KW-40E	40 Meter (7.05 MHz) Reyco Coils	KW-80CW	80CW Meter (CW Band) (3.625 MHz) Reyco Coils

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## W2DU In-Line Isolators

Also referred to as line isolators, these choke off RF currents on the shield!

These In-Line Baluns have an SO-239 UHF type connector on both the input and output side. In-Line baluns provide similar performance to their respective wire balun counterparts. Applications for In-line baluns include line isolation anywhere along the coax transmission system and use on Quad and Yagi antennas. The W2DU's RF choke design can be used anywhere along your coaxial transmission path to help eliminate RF feedback and TVI. While the RF currents flowing along the coax shield are "choked" out by the balun/isolator, the internal 50 ohm signal is completely unaffected. Some users have noted a reduction in interference with the use of line isolator between their transmitters (transceivers) and linear amplifiers. Another use is placing one at the vertical, beam, or quad antenna to augment the antenna's matching system to coax.

W2AU INLINE™ W2AU -1:1 with Double SO-239 Connectors

W2DU INLINE-HF W2DU - HF Model with Double SO-239 Connectors

W2DU INLINE-VHF W2DU - VHF Model with Double SO-239 Connectors



## W2AU & W2DU Beam Baluns

These Baluns can be used on beams and quads!

For matching yagi or quad elements select the Beam models of the famous W2AU or W2DU Baluns. These models are designed to be mounted horizontally to a beam's boom. Pigtail wires are provided in lieu of the hooks on the wire models to connect these Baluns to the driven element. Specs for beam models are the same as their respective wire models with the exception that the W2AU and W2DU HF beam models only operate from 40 to 10 meters.

W2AU 1:1-B Beamed Version (Transformer Type)

W2DU HF-B High Frequency Beamed Version (Current Type)



### Baluns

W2AU 1:1 1.8 - 40MHz 1 : 1 balun	£24.95
W2AU 4:1 1.8 - 40 MHz 4 : 1 balun	£24.95
W2AU 4:1 LL Ladder line / Coax transition 4:1 Balun	£29.95
W2DU HF 1.8 - 30 MHz Current type 1:1	£29.95
W2DU VHF 20 - 300 MHz Current type 1:1	£34.95
W2AU 1:1-B 1:1 Beamed Version (Transformer Type)	£28.95
W2AU 4:1-B 4:1 Beamed Version (Transformer Type)	£28.95
W2DU HF-B High Frequency Beamed Version (Current Type)	£29.95
W2DU VHF-B Very High Frequency Beamed Version (Current Type)	£29.95
W2AU INLINE W2AU -1:1 with Double SO-239 Connectors	£29.95
W2DU INLINE - HF W2DU - HF Model with Double SO-239 Connectors	£32.95
W2DU INLINE - VHF W2DU - VHF Model with Double SO-239 Connectors	£32.95
Note: add 'N' connectors for any balun (cost per connector)	£4.95

### Traps (Matched Pairs)

KW-10 10 Meter (28.675 MHz) Reyco Coils	£37.95	KW-12 12 Meter (24.950 MHz) Reyco Coils	£37.95
KW-15 15 Meter (21.275 MHz) Reyco Coils	£37.95	KW-17 17 Meter (18.118 MHz) Reyco Coils	£37.95
KW-120 20 Meter (14.175 MH) Reyco Coils	£37.95	KW-30 30 Meter (10.125 MHz) Reyco Coils	£39.95
KW-40E 40 Meter (7.050 MHz) Reyco Coils	£39.95	KW-60 60 Meter (5.360 MHz) Reyco Coils	£42.95
KW-80CW 80CW Meter (CW Band) (3.625 MHz) Reyco Coils	£42.95		

### Dipole Accessories

END-sulators End Insulator (low low loss)	£5.95
ANsulators Centre Insulator (Strain Relief)	£9.95

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