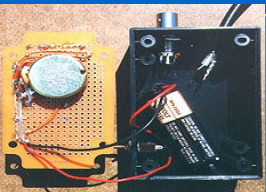



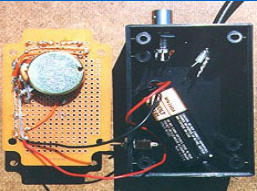





# ARDF - Offset Attenuator Project Options

Kit Name	Pic	Notes	Complexity	Approx Cost (CAD)
K00V		Self source	Medium	
KE6HTS		No enclosure K00V kit	Easy	30
KC9ON v5c		No enclosure	Medium	11
KC9ON v6		Includes enclosure. Kit, part built or completed.	Medium - easy	26 - 40

# Selected kit:

Kit Name	Pic	Notes	Complexity	Approx Cost (CAD)
K00V		Self source	Medium	
KE6HTS		No enclosure K00V kit	Easy	30
KC90N v5c		No enclosure	Medium	11
KC90N v6		<b>Includes enclosure. Kit, part built or completed.</b>	<b>Medium - easy</b>	<b>26 - 40</b>

# Selected kit: KC9ON v6



Best balance of quality and cost. This attenuator **includes the enclosure and connectors.**

Available in the following configurations:

- Traditional Thru-Hole kit – Uses traditional thru-hole components for each assembly
- Semi-Assembled SMD Kit – All the SMD parts are already assembled, just solder the few remaining controls and connectors.
- Fully Assembled – Just add a 9V battery, connect your antenna & radio and hunt away!



Type	Cost (USD)	Cost (CAD)
Thru Hole kit	20	<b>27</b>
Partially assembled (SMD) kit	25	<b>33</b>
Fully assembled	30	<b>40</b>

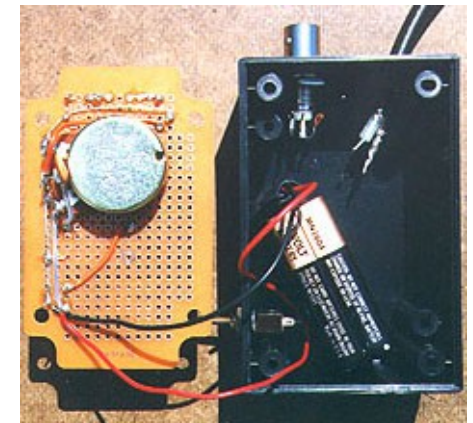
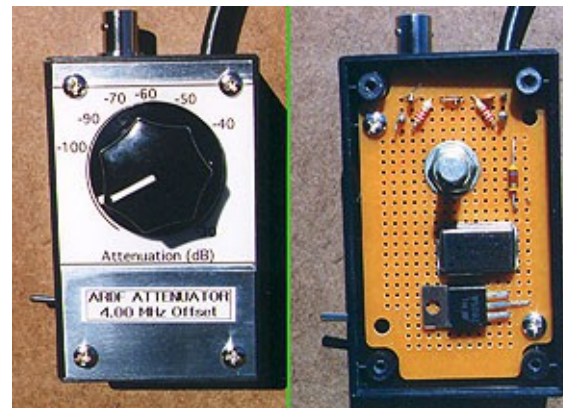
<https://kc9on.com/product/fox-hunt-v6-smd/>



# Other options: KØOV Joe Moell

## Parts list of the offset attenuator

C1,2	470 pF ceramic disc	272-125
C3	.0047 漚 ceramic disc	272-130
R1,2	2.2K 1/4 watt	271-1325
R3	4.7K 1/4 watt	See Text
D1	1N4148 signal diode	276-1122
J1	UG-1094 BNC socket	278-105
VR1	5K audio taper potentiometer	271-1720
S1	Toggle switch	275-625A
U1	7805 regulator (+5V)	276-1770
X1	4.0 MHz oscillator (See Updates below)	
	Battery connector	270-325
	Knob	274-424
	BNC cable	278-964
	AWG 24 bare wire	278-1341



# Other options: KE6HTS (Circuit by KØOV)

- The offset attenuator modules are on a PC board 3/4" x 1 1/4". The kit consists of the circuit board with all the surface mount components soldered in place, and the other parts necessary to complete the unit (diode, potentiometer, crystal, and 9V battery leads.) The surface mount components include all capacitors, resistors, and the voltage regulator. An enclosure is not included. When ordering, please specify either a 2 MHz or 4 MHz offset. Included with each kit is a one page schematic and parts list. ~ \$30 CAD.

## *Ordering Information*

Assembled/Tested	\$31.00 ea
Assembled/Tested - 12 or more	\$28.00 ea
Kit	\$26.00 ea
Kit - 12 or more	\$23.00 ea



# Other options: KC9ON v5c

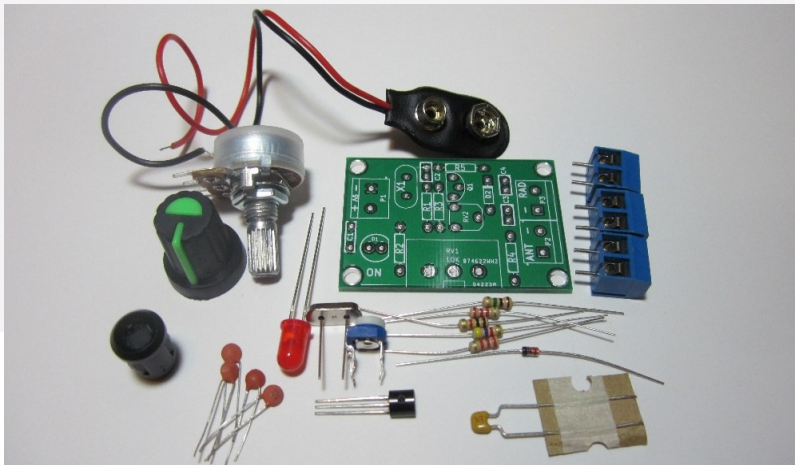


## Fox Hunt Offset Attenuator

★★★★★ (1 customer review)

\$8.00 – \$12.00

When your closing in on the fox you may find the signals to be strong enough you can no longer find a peak or null with your antenna. Sometimes the signal is so strong that the RF will leak straight into the radio, connections and other equipment making the antenna useless. The solution is to use an offset attenuator. The circuit consists of a small RF generator, in this case 4MHz, which will mix with the incoming fox signal (such as 146.52MHz) and produce new signals at plus and minus the fox signal (142.52Mhz and 150.52Mhz). A potentiometer on the board changes the injection level of the RF generator which in turn attenuates the incoming mixed signal to your radio to a level where tracking can continue.



Major downfall – no enclosure.

<https://kc9on.com/product/fox-hunt-offset-attenuator/>