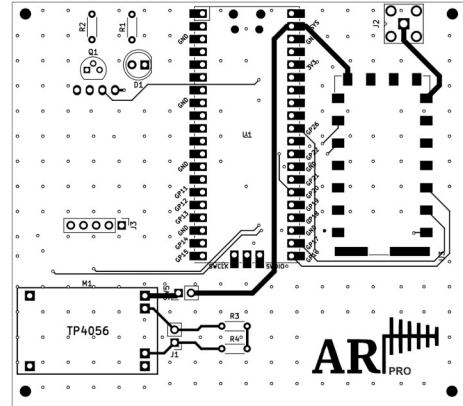


ARF PRO (DEV) SPEC SHEET

ARF PRO is a VHF foxhunt transmitter designed for Ham's and Ham clubs for the purpose of transmitter finding or 'Fox Hunting'. ARF is built to be programmed on the go, without needing to use a computer to program the unit.



Part	Description	Comment
DRA818V	VHF radio module	500mW TX
TP4056	Battery & power management module	
Raspberry pi pico	MCU	Manages everything to the DRA818V, UART programs the board, and PWM encodes CW
ssd1306	Display/main UI	
804040	Battery	1800mAh Lithium ion battery



ARF (Amateur Radio Foxhunt) is a foxhunt transmitter for the purpose of transmitter hunting. This device operates on VHF (134~174MHz) utilizing the DRA818V by Dorji Applied Technologies. The unit here at the Dayton Hamvention is a functional development model, operating on _____._____MHz, encoding CW every ___ seconds. We are using a raspberry pi pico to program the radio, encode CW, and power the user interface.

At this time, the user interface is not done. The unit will only display a static image, but as we continue to develop, there will be menu options to change the callsign, set the TX interval, change the frequency, set WPM of CW, and set the audible frequency in Hz at which CW will be transmitted at.

We also have plans to design and build a much smaller unit, ARF Lite. ARF Lite will feature everything but a user interface and will possibly have the ability to program via a mobile device (wifi or bluetooth).

*****WE ARE NOT CURRENTLY SELLING UNITS*****

ARF Pro is in very early development and is not available to purchase at this time. Feel free to visit ARF.k9fza.com and send an email to inquire about notification when available for purchase in the coming future.