



Marion County Emergency Radio Team

# HF Go Kit Equipment List

April, 2025

Item	Manufacturer	Model	Serial Number	Description	Quantity	Notes
1	YAESU	FT-857	3J202232	HF Radio w/microphone, mic cable and radio DC power cable w/Anderson Power Poles	1 each	
2	YAESU	Operating Manual		Radio Operating Manual	1	
3	ICOM	ID-880H	1502895	D-Star Dual Band Radio w/microphone, mic cable and radio DC power cable w/ U-type connectors for power supply	1 each	
4	ICOM	Operating Manual		Radio Operating Manual	1	
5	MFJ	MFJ 4245 MV	204003674	12 VDC Switching Power Supply with AC power cord	1	
6	TBD	DC Power Cable		DC Power Cable – Astron power supply connectors to Anderson Power Poles	1	
7	TBD (multiple sources)	TBD		Multioutlet AC Power Strip w/switch	1	
8	MFJ	MFJ 392B		Audio Headset – no mic	1	
9	TBD (multiple sources)	SO-239		2-inch Female Barrel Connector	4	
10	TBD (multiple sources)	RG-8		10 feet RG-8X Coaxial Jumper w/PL-259	1	
11	TBD (multiple sources)	RG-8		25 feet RG-8U Coaxial Jumper w/PL-259	1	
12	TBD (multiple sources)	LMR-400		50 feet LMR-400 Coaxial cable – in MERT cable inventory (not in HF Go Kit)	1	
13	Vellman	DVM850BL		DVM Multimeter w/ 1 – 9 VDC battery	1	Replace battery yearly
14	Perwin	17in1		Multipurpose Tool	1	
15	TBD (multiple sources)	TBD		25 feet – 14 GA/15 Amp Max - Extension Cord w/lighted AC connector	1	
16	NA	7 Amp		14 Amp Glass Fuse for DC Power Supply	1	
17	TBD (multiple sources)	TBD		Pocket Type Roll Up 2 Meter antenna w/suction cup hook & roll of clear tape	1 each	
18	TBD (multiple sources)	Cat 6		Cat6 Ethernet Patch Cable - 3 ft (use as temporary microphone cable for ICOM radio)	1	

ALL equipment detailed in this Equipment List is the property of the Marion County Sheriff’s Office Division of Emergency Management.

**Required additional equipment for HF deployments includes:**

1	MFJ	MFJ-926B		REMOTE AUTO TUNER, 200W, HF, W/BIAS-T	1	Stored in MERT warehouse
---	-----	----------	--	---------------------------------------	---	--------------------------

Note: MFJ-926B Automatic Antenna Tuner covers the lower HF bands and will match a random wire or coax-fed antenna from 160 Meter to 10 Meters (1.8 - 30 MHz) at a full 200 Watts SSB/CW. Matches impedances 6 - 1600 Ohms (SWR up to 32:1). (See Operating Manual for more information.)

**IMPORTANT Note:** Operation requires 13.8 VDC at 1.5 Amps. (Unit includes the MFJ-4117 Bias-Tee power injector to send DC/RF down the coaxial line.)

**WARNING**

- *Never* operate the tuner with its cover removed. Contact with the components inside the tuner while transmitting will result in painful RF burns.
- Locate the tuner so that the terminals are *not accessible* during operation. The single wire connection may have high voltage while transmitting.
- *Disconnect* all antennas from the tuner during lightning storms.
- Always tune with low power (2-10 watts). Apply maximum power only after tuning up.
- *Never* exceed tuner specifications.
- *Do not* transmit with a high SWR for extended periods of time.



2	HF Antenna(s)	Misc		<p>MERT has multiple HF antennas available:</p> <p>A) NVIS Antenna Go Kit (fully equipped 40 M/80 M antenna system in a rapid deployment container)</p> <p>B) Various long-wire antenna types (OCF &amp; End-fed)</p> <p>C) Hamstick antennas (tuned single-band types)</p>	1	Stored in MERT warehouse
---	---------------	------	--	---	---	--------------------------

**Suggested additional equipment for successful HF deployments includes:**

1	20 ft. Telescoping Tower - Fiberglass	Misc Suppliers		Portable, 20 ft. Telescoping Antenna w/Tripod base	1	Stored in MERT warehouse
2	Tower guy kit	Misc Suppliers		Tower Guy kit - w/Safety Orange paracord and plastic stakes	1 kit	Stored in MERT warehouse