




MINI-WIRELESS OPERATIONS MUST BE IN ACCORDANCE WITH FULL SOP MANUAL





DESCRIPTION: NON-HAZARDOUS FOR AIRFREIGHT AND STORAGE. NO TRAINING REQUIREMENT

The system uses a 24 bit rolling code wireless or command wire signal to remotely switch a 12v NiMH Battery to heat an ignition coil which initiates a thermic reaction in thermite powder contained in a disposable conical ceramic crucible. The resulting 3500C molten steel slug **focus** dumps onto a Landmine or UXO case and penetrates up to 22m steel in 1 second creating a large cratered hole **allowing adequate venting**. The High Explosive is melted then turned to gas and burns off leaving an empty shell. The Field Module is protected in a Flameproof Carry Bag which can be placed close to the target. A coiled 2 meter cable is fitted in the Crucible and is connected to the Field Module by winding posts.

COMPONENTS

SINGLE USE CRUCIBLE (SUC)	FIELD MODULE (FM)	REMOTE FIRING UNIT (RFU)	BATTERY CHARGER
Mini for up to 7mm case wall 	 15 X 10 X 7cm – 600gms	 50 X 5cm diameter – 400gms	 Interchangeable mains Plugs Vehicle charger is available

PREPARATION

CHARGE BATTERY Connect the charger to 110/220v mains or Car cigar lighter	The charger light shows RED when charging. The light changes to green when the battery is fully charged. Time is 2 to 20 minutes	FM and RFU battery LEDs when charger off and power on buzzer “bip” 5 secs and green =good / red = low	Remove crucible from packaging/stand
			

OPERATIONS IN THE FIELD

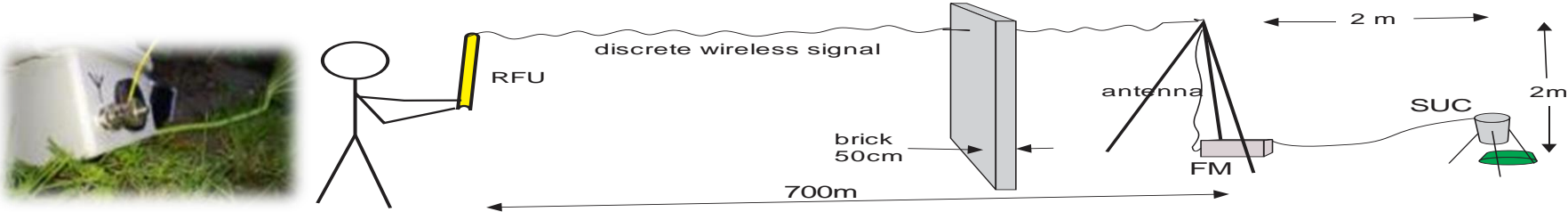
1. **CONNECT** the bare ends of the starter wire on the winding posts in the Field Module (no polarity)



2. The 2 meter Starter Wire is uncoiled



3. **ANTENNA.** For wireless operation 2 meter cable Antenna is connected to the antenna winding post then must be erected vertically by hanging from a post.



TEST COMMS AND CONTINUITY

4. The crucible set up on stand



5. The FM is Powered ON by removing plug from charge socket and switch to TEST



6. RFU Power ON by removing plug from charge socket, press recessed FIRE button. RFU buzzer sound long "beeeeeep"



7. Circuits all tested OK FM buzzer long "beeeeeeeeeeeep"



8. Test fail FM buzzer rapid "bip".. "bip".. "bip".. "bip".. "bip".. "bip".. "bip".. "bip"..



FIRE

9. Powered ON. Switch to ARM FM is replaced in Bag.



10. Set at close stand-off (20mm) above the target.



11. At up to 1 Km range RFU Power ON by removing plug. **FIRE**- the RFU recessed button is pressed

