



RECON-PRO, AML1000

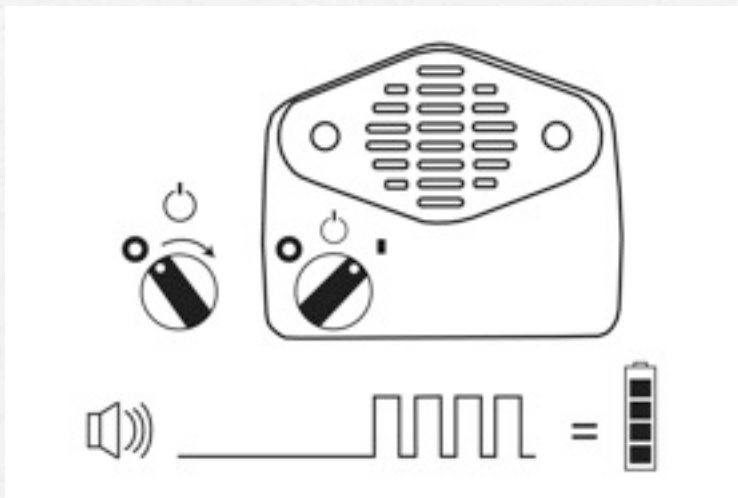
DEPLOYMENT - STANDARD OPERATION (SOP)



PRE-DEPLOYMENT SETUP



1. Batteries installed, capacity check



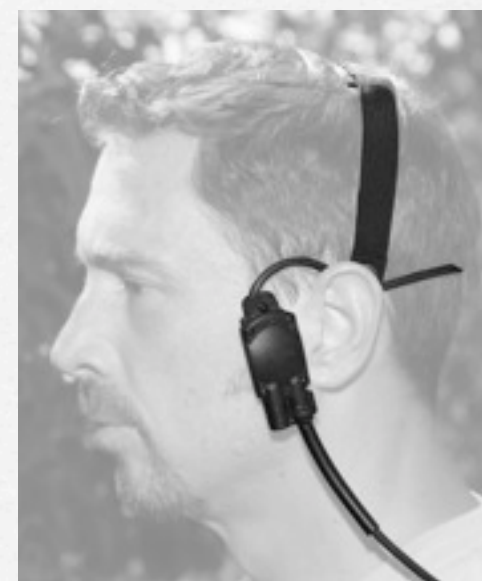
"4 tone beeps=full capacity"

"3 tone beeps=75%"

"2 tone beeps=50%"

"1 tone beep=replace batteries"

2. Tactical Headset placed on operator (optional)



"FITS UNDER BALLISTIC HELMET
WITHOUT EAR BLOCKAGE"

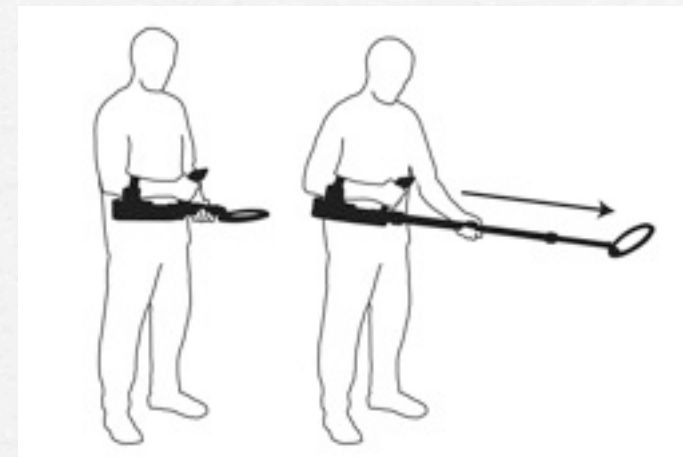
Deploy DETECTOR for Operation

Removal from Case to Search Ready = 30 seconds

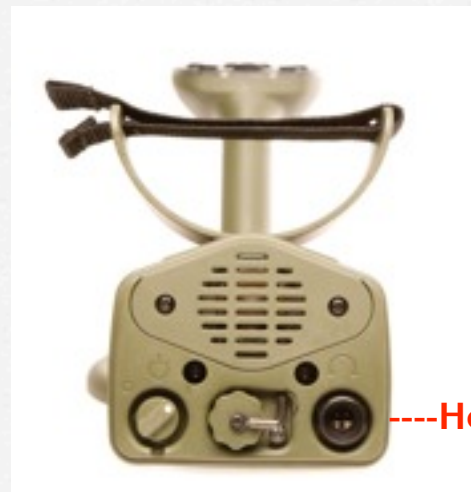
1. Remove unit from Case.
2. Rotate Search Head into position
3. Slide Armrest to position and lock



4. Adjust shaft length.

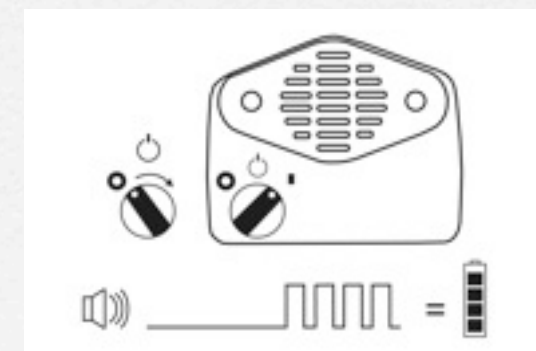


5. Connect Headset cable (optional).



-----Headset Connector

6. Switch ON.



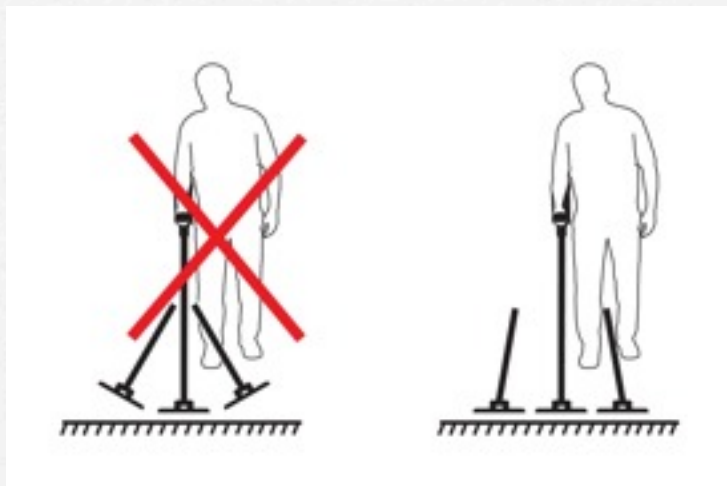
Primary Control Function

“Balance Reset”



- B** : Quick “Press & Release” to RESET detector.
- After signal response from large metal targets
 - Noise drift from environmental interference
- “Use this function as often as needed”

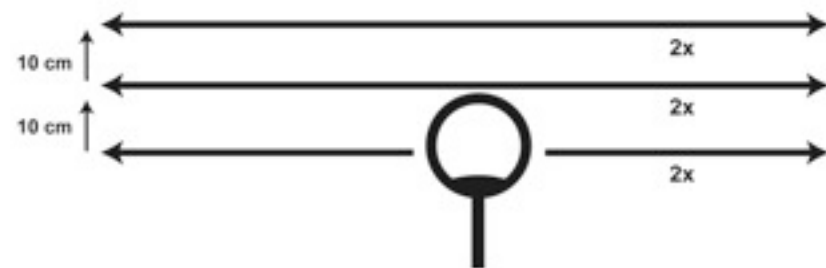
Basic Search Procedures



Search Head / Target Coupling
Constant Parallel & even height above search surface.

(Garrett's rotational head allows for quality search in all terrains).

Well-balanced to minimize "Arm Torque Fatigue".



Tight Pattern search for:
Low Metal Content Legacy
Mines and IED's.

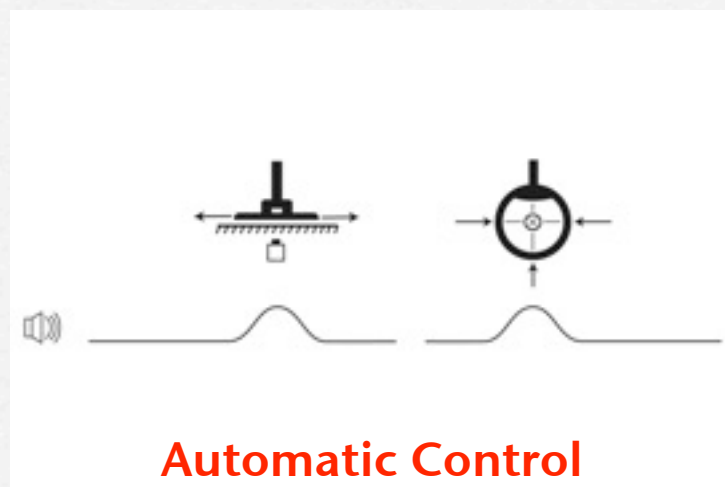


Wider & Faster search pattern for:
Metallic Mines & UXO type IED's.

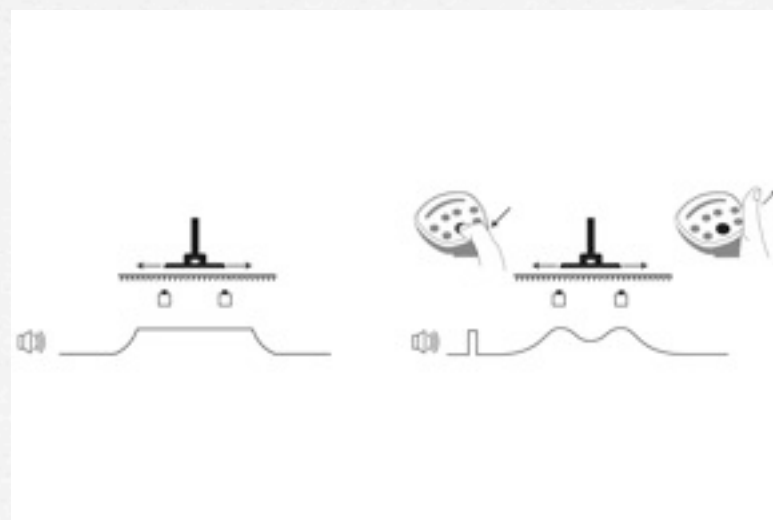
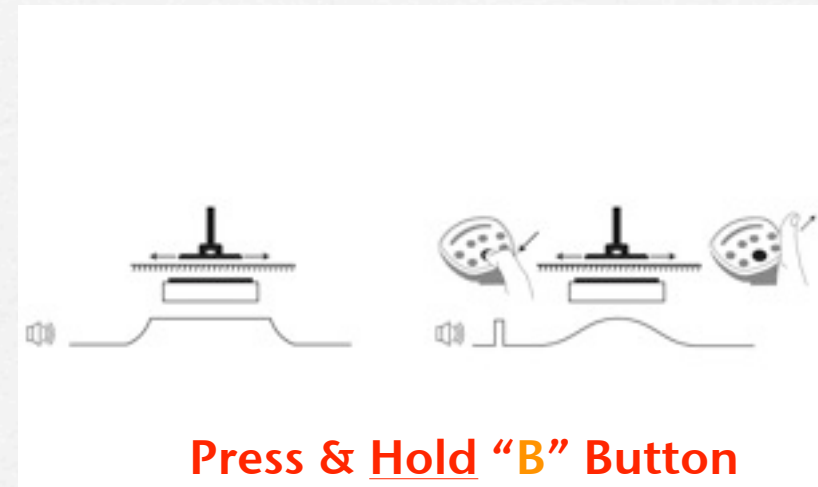


Target Pin-Pointing

Low Metal Content Targets



Larger Metal Targets



"B" button also indicates target separation



Release "B" when finished

Special Operating Functions

Sensitivity Level Control



Press & hold "C" button,
Then tap "T-" to lower
and "T+" to increase.

*Seven (7) preset levels
indicated by LED position*

Volume Adjustment / Background Threshold Tone



Tap "V+" to increase
Volume; "V-" to decrease

Tap "T+" to engage and
increase background tone
level; "T-" to reduce.

Tactical Discreet Setup



**NOTE: All functions return to
default settings when
unit is switched OFF.**

Press & hold "C" button,
Then switch ON detector.

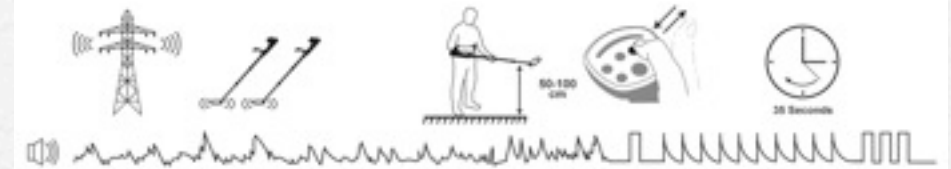
*Only signals via Headset will
be produced.*

Secondary Setup Functions



RFI SCAN

To eliminate RFI interference and sync multiple detectors (to work in close proximity), **Press & Release** the “D” button. Scan takes 30 seconds and the setting stays in the program memory until the next scan (keep search head stationary during scan cycle).



GROUND BALANCE

To activate the function, **Press & Hold** the “D” button. A double “beep” will start the process of moving the head “up and down”. A triple beep will indicate completion-release the button.



Special Application Function

“Salt Water Mode”



Press and Hold down “T-” Button when switching ON Detector; “A” switch..
This activates the Salt Water Mode.

Lighted Signal Indications



1: LED Detection Signal

Targets indicated on display by strength. Left side at zero / Right side at maximum.

2: Operating Indicator

Turns on and is steady at default sensitivity setting. Blinks when sensitivity setting is reduced.

3: Loudspeaker Indicator

Turns ON whenever the speaker is switched OFF (Headset output is not effected).

4: Low Battery Signal

Turns ON and blinks when the battery level has 30 minutes of final operating time.

Detection Advantages

MONO COIL-STATIC OPERATION

Provides a balanced/equal detection Halo

Operator can search in all directions; 360 degrees
(fast detection / fast pin-pointing)

NO sweep motion required to localize targets

Can search in holes, culverts, vegetation

AUDIO TONE DISCRIMINATION

Easy recognition of metallic content

- Low tone for Ferrous metals (steel)
- High tone for non Ferrous metals
(aluminum, copper, brass, etc.)

Technical Advantages



Advanced Broadband Pulse Induction Technology

Provides excellent target depth penetration in ALL soil conditions

Ground Balance routine is not required in majority of conditions

Operational Advantages

Full Size/Compact Design

Complete Kit with
Detector, 2 battery
sets, Charger, Test
piece, DVD, Manual,
Headset, Field
Backpack, Hard case;



Prone Position



Kneeling Position

*Uses AA batteries
(standard or recharge)
15 hours of continuous
operation !*



**Ruggedized & Waterproof
(operational to 3 meters depth)
MIL-STD 810F**

Full Extension Operation



**1.98 M
soldier**

Quality Control & Maintenance



**ISO 9001 Production Process
MIL STD 810F Certifications
(each unit is water pressure tested)**

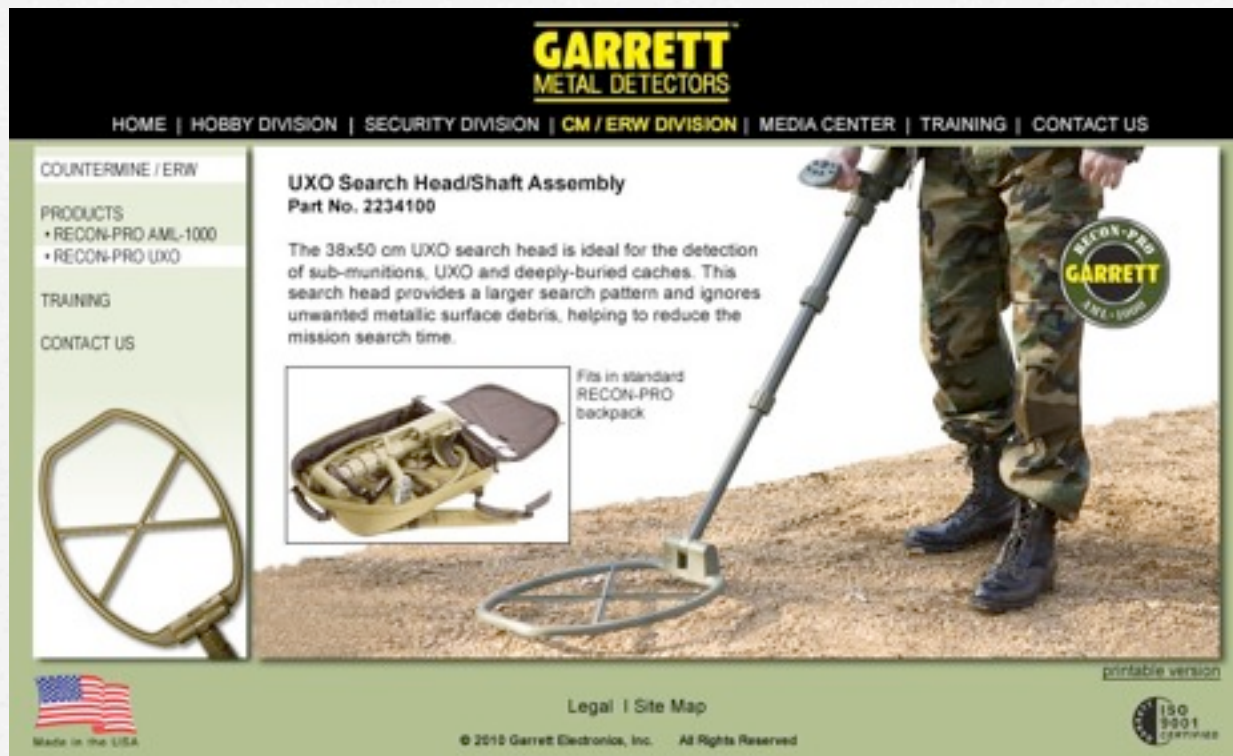


Modular Component System (MCS)

**All parts are interchangeable and
easily replaced-simple field repair**

Optional Items

UXO Search Head



- Retro-fits to standard detector
- Deep search-up to 2 meter depth
- High reduction of surface debris
- Compact folding for transport

CSI - Pro Pointer (Secondary search tool)



- Quickly locate “near surface” targets
- Trace metal inside walls
- very precise pin-pointing
- Rugged and water resistant



Countermine / ERW Division
1881 W. State Street
Garland, TX 75042
Tel: 214.802.3510
Email: Ron.Hitchler@garrett.com