

find  
impossible



# INSTRUCTION MANUAL

V80 V60

Version: V2308

As an innovative brand. We might change settings or tech specs to improve users experience and may not always notify you in advance. Thanks for your understanding~



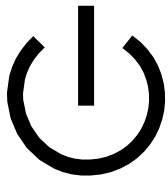
<b>Quick Start</b>	1	<b>Programing</b>	
Assembling	2	<b>Detect</b>	16
Flat Folding	2	<b>Discrimination</b>	16
Recharge	3	<b>Tx power</b>	17
Screen protector	3	<b>Recovery speed</b>	17
		<b>Users profiles</b>	17
<b>Controls</b>	4	<b>Sound</b>	18
Power on/o!	4	Tone numbers	18
Speaker Volume	4	Tone space	18
Backlight	4	Tone pitch	19
LED flashlight	4	Tone volume	19
Vibration	4	<b>Ground</b>	20
Pinpointing	4,12	Ferrous Bias	20
Ground Balance	4,13	Threshold	20
Sensitivity	4,8	Gyro Sensor	21
Noise Canceling	4,11	Auto power save	21
Frequency	4	Pump to G.B	21
Modes Selection	4	Auto ID stability	21
Wireless Headphones	5,23	<b>Setups</b>	22
		Display	22
<b>Interface</b>	6	Backlight level	22
ID number	7	LCD refresh rate	22
Ground E!ect Ball	7	Clock	22
Dynamic Signal Strength Meter	8	Wireless audio	23
Sensitivity Detail	8	Reset to default	24
FeScale	8	Firmware version	24
Frequencies	8,10	Firmware Upgrading	25
Essential Setting Gauges	9	<b>Maintenance &amp; Care</b>	26
Other Infos	9	<b>Parts</b>	27
Search Modes	14	<b>Specifications</b>	28
Park	14	<b>Troubleshooting</b>	29
Field	14	<b>Warranty</b>	30
Beach	15		
Gold Cache	15		

# QUICK START

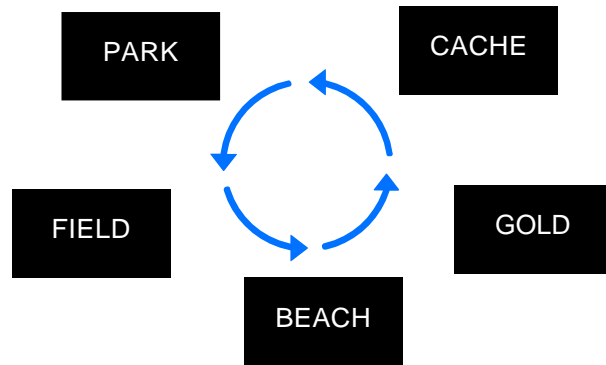
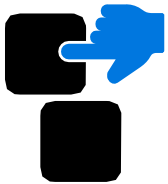


## POWER ON

Click upper right side button to power on

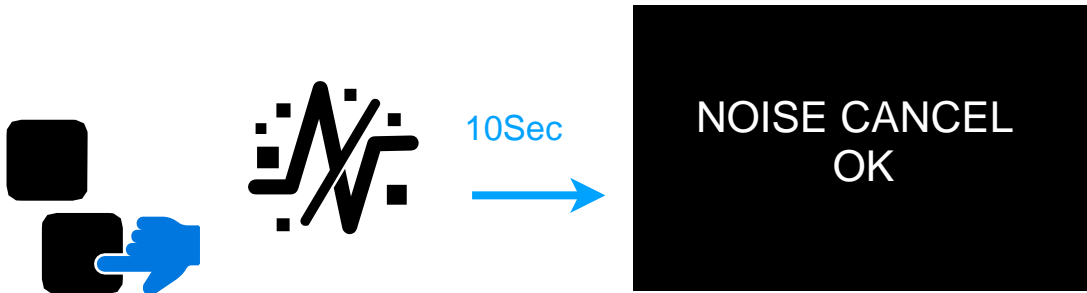


## SELECT MODE



Click upper square button to change modes based on your location

## NOISE CANCEL

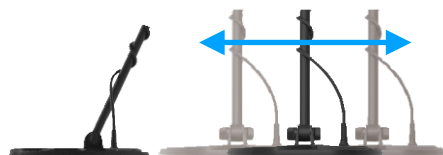


Hold lower square button for 1 Sec for noise canceling

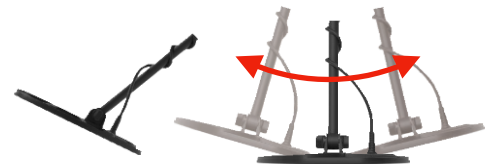
## READY TO SWING



Correct



Incorrect



Keep a 50% overlap and parallel sweeping over ground for best result.

## ASSEMBLING



**1** Remove the main unit, pry open the locking lever at the bottom of the handle, align the part of the handle with the groove on the lower part of the main unit with the raised rib on the rod, push into the bottom of the rod, and press down the locking lever.

**2** Push the armrest into the rod according to the method described above, and tighten the two bolts.

**3** Remove the search coil, loosen the nuts and bolts, pass the yoke bracket through the circular hole at the end of the lower rod, assemble them in the order shown in the diagram, and tighten the bolts and nuts.

**4** Connect the coil connector to the control box and tight the locking ring to secure.

## FLAT FOLDING

To **flat fold** the search coil, simply retract the lower rod that connects to the search coil to the lowest position, and you can then rotate the search coil freely to achieve the most compact storage state.



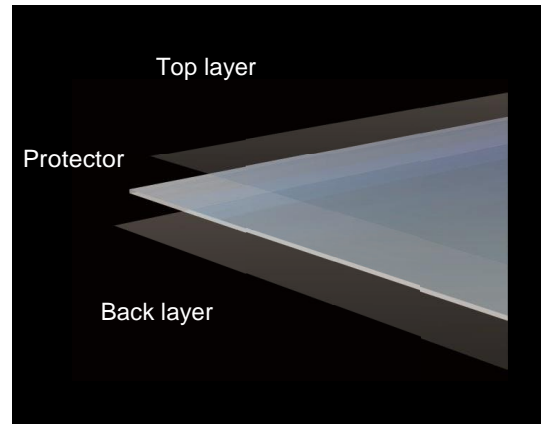
2

## RECHARGE



Before first use, it is recommended that you fully charge the battery for 6 hours. Use a high-quality mobile phone charger plug to charge the detector. The specific steps are as follows: Remove the charging cable, unscrew the protective cap of the detector, insert the larger end of the charging cable into a socket or a computer with a standard plug, or a solar power bank, and insert the smaller end (Type-C) into the metal detector plug

## PROTECT



### Apply LCD screen protective film

1. Take off the thin plastic covering from the detector's screen. Check that there's no dust or fingerprints on the screen.
2. Carefully remove the protective backing from the screen protector.
3. Hold the screen protector by its edges, line it up with the screen, and gently place it down. If there are any bubbles, use a soft and clean cloth to push them to the edge.
4. Finally, remove the top layer from the screen protector.

3



	KEY FUNCTION	ALTERNATIVE FUNCTION	IN-MENU FUNCTION
1	<b>Power on</b>	Hold 0.5 sec to Power o!	Hold 0.5 sec to Power o!
2	<b>Change modes</b>	Hold for All-Metal	Confirm, Accept/Reject ID
3	<b>Change frequency</b>	Hold to perform noise cancelling	Return to higher level MENU
4	<b>MENU Setup</b>		Exit MENU
5	<b>Pinpoint</b>	Hold for Ground Balance	
6	Volume up	Hold to + volume quickly	
7	Volume down/ Vibration	Hold to - volume quickly	
8	Increase sensitivity	Hold to + sensitivity quickly	Scroll up/Increase
9	Decrease sensitivity	Hold to - sensitivity quickly	Scroll down/Increase
10	Backlight adjust	Hold to turn on/o! flashlight	




## WIREEFREE PRO



the first time, make sure to fully charge them.

### Instructions

**Turn On/O!:** Press and hold the "O" /  button to power the headphones on or o!.

**Adjust Volume:** Press the upward arrow(+) to increase the volume. Press the downward arrow(-) to decrease the volume.)

**Pairing New Devices:** Make sure the detector or smartphone is under paring mode. When the headphones are o!, hold the power button for 5 seconds to enter pairing mode for connecting with a new detector or smartphone.

**Erase All Pairings(reset):** To remove all previously paired devices, turn o! the headphones and then hold the power button for 10 seconds.

**Fit Adjustment:** If the headphones feel too tight on your head, extend the arms to ensure your whole ears fit comfortably inside the ear cups.

**Volume Safety:** For the safety of your hearing, avoid setting the volume too high.

**Wired Connection:** If the battery is drained, use a 3.5mm to 3.5mm audio cable to connect the headphones to the detector.

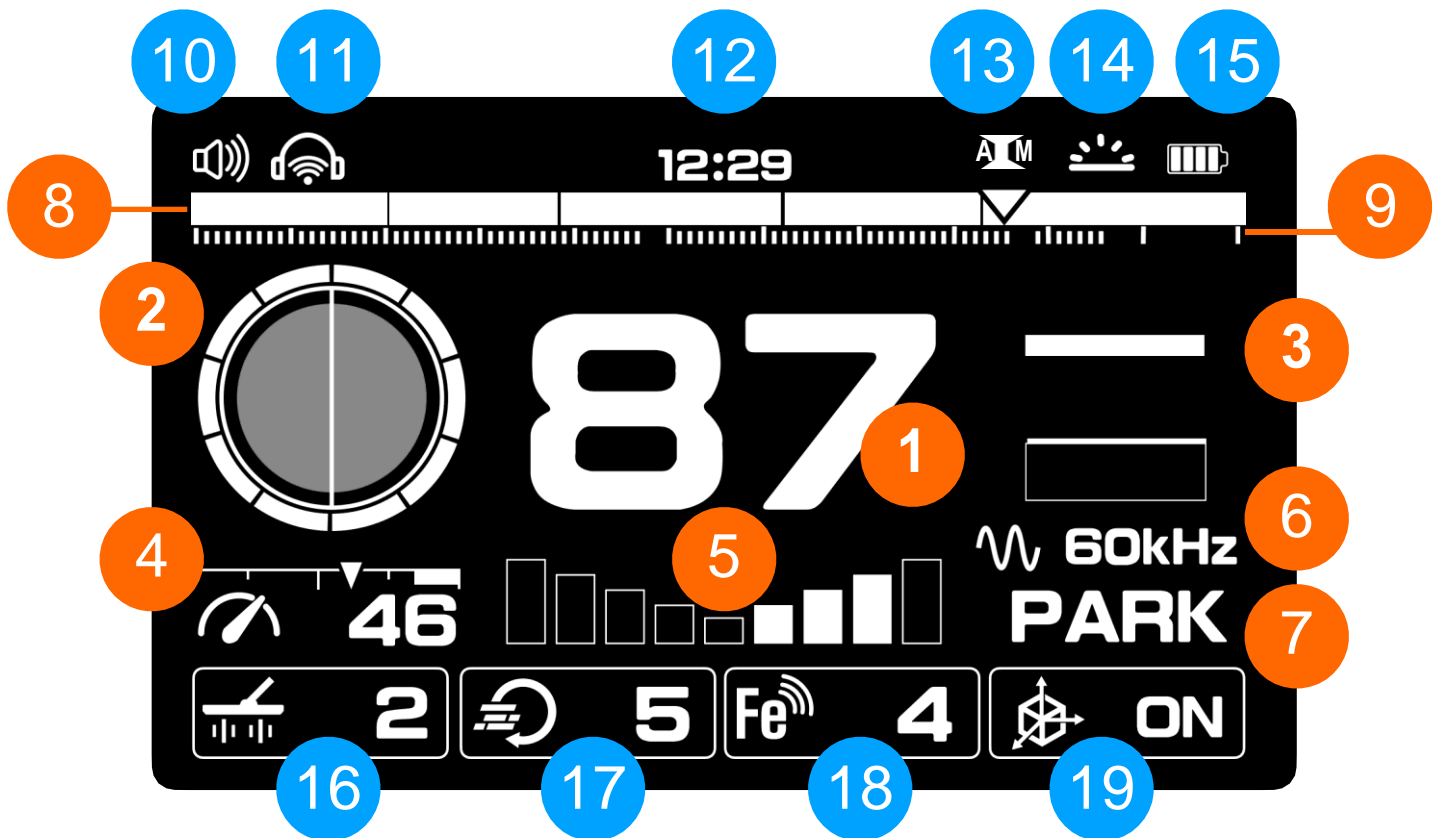
**Initial Charge:** Before using the headphones for



# WIREFREE VIBE

5





## Essential info display

- 1 Target ID
- 2 Ground effect ball
- 3 Signal strength
- 4 Sensitivity
- 5 Good target scale

## Programmable info

- 6 Frequency
- 7 Search modes
- 8 Tone space
- 9 Target ID bars

## Utility function display

- 10 Speaker volume
- 11 Wireless headphones
- 12 Clock
- 13 All metal status
- 14 Backlight
- 15 Battery status

## Essential setup display

- 16 TX power
- 17 Recovery speed
- 18 Ferrous sense
- 19 Gyro status



## 1. Target ID.



**Target Identification (Target ID)** in metal detectors is a complex feature that offers a numeric representation of a detected object, ranging from 0 to 99. This number helps identify a target's ferrous or non-ferrous properties, such as a US quarter displaying a Target ID of 82.

However, Target IDs can sometimes be inconsistent. Factors like orientation, depth, metal purity, corrosion, soil mineralization, and the swing direction of coil can cause multiple IDs for the same target. In certain situations, the device may even fail to provide an ID, especially for deep or smaller targets, as a strong, clear signal is needed. Different frequency or coils may cause minor differences too.

HyperQ enhances Target ID accuracy, especially in mineralized ground, maximizing depth and stability. However, it may take time and experience to make optimal use of Target ID, as different detectors produce varying numbers, and local variations in metals and sizes may require testing and adjustment.



## 2 Ground E!ect Ball.

**Salt-Water Condition (left half):** This refers to the presence of salt in water environments, such as beaches. The conductive nature of saltwater can create interference similar to mineralization, generating false signals and potentially affecting the detector's ability to differentiate between various metals.



**Mineralization (right half):** Mineralization in metal detecting refers to the presence of minerals like iron in the ground. These can interfere with the detector's electromagnetic field, causing false signals

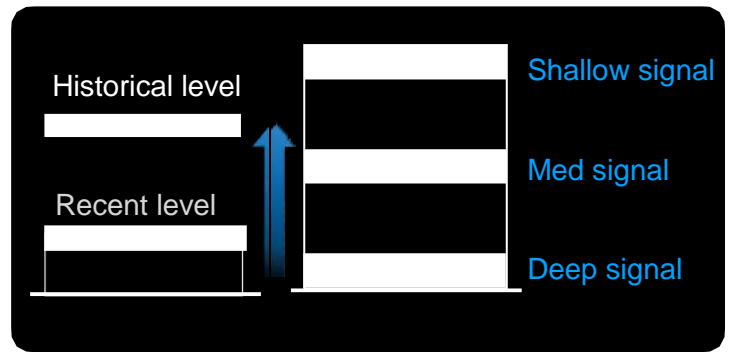
and making it difficult to distinguish real metal targets from minerals in the soil. The higher the level, the more severe the mineralization.

**Correction Index (outside circle):** This shows the ground effect correction. The microcontroller will apply preset programs to balance the ground effects caused by mineralization or saltwater, or even both, automatically without setup. The Ground Balance process will adjust the correction index. Turn to **Ground Balance** page for more info.

### 3. Dynamic Signal Strength Meter

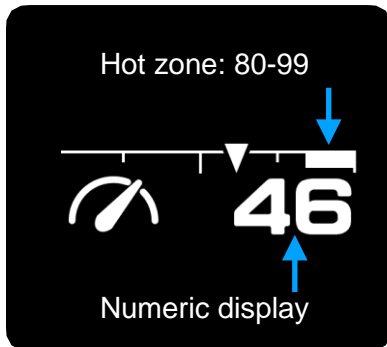
The V Series metal detectors introduce a dynamic meter offers several unique advantages that enhance the user's ability to analyze and interpret signals:

1. Time-Based Signal Representation: Unlike traditional depth gauges that only show the most recent information, the dynamic meter on the V Series displays a solid bar representing the signal strength over a specific period. This visual representation provides a more comprehensive view of the target's characteristics.
2. 3-Sec Signal Retention: The dynamic meter retains the latest 3-second signal, allowing users to compare it with recent results. This extended retention enables a more nuanced understanding of the target,



helping to find the strongest signal between different places.

3. Real-Time Comparison and Analysis: By dynamically displaying signal strength over time, users can observe fluctuations and patterns in real-time. This assists in identifying the nature of the target, whether it's a consistent, valuable object or inconsistent, potentially undesirable debris.



4. **Sensitivity.** 99 levels sensitivity with indication arrow. 99 is highest level. Sensitivity higher than 80 might be noisy in high EMI interference areas.



### 5. FeScale.

In the process of differentiating metals into ferrous and non-ferrous categories, relying solely on Target ID may sometimes be inadequate. FeScale enhances the user's ability to identify targets more precisely by visually displaying the ratio between ferrous and non-ferrous components.



### 6. Frequencies

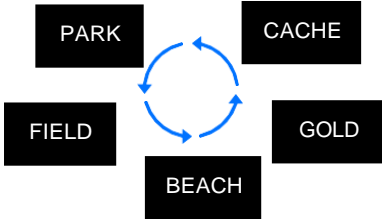

Choose the right frequency for your detection scenarios. We offer up to 5 single frequencies and 1 HyperQ multi-frequency to select. For more info check out at Frequencies page.





# PART 4



7	Search Modes	 <p>Press the upper square button to toggle through the five different search modes.</p>
8	Tone space	<p>The factory default setting for tone space is divided into five sections, each corresponding to a specific range of Target ID values. These settings define how different targets are identified by their corresponding audio tones. Customize yours at <b>SOUND</b> menu. These sections are as follows:</p> <p>0-19: Associated with an audio tone of 117Hz          20-39: Associated with an audio tone of 351Hz          40-59: Associated with an audio tone of 527Hz          60-79: Associated with an audio tone of 790Hz          80-99: Associated with an audio tone of 966Hz</p>
9	Target ID bars	 <p>The factory default setting masks TIDs ranging from 1 to 19. You can customize this range by selecting or deselecting any TID from 1 to 99 within the <b>DETECT-DISCRIMINATION</b> menu.</p> <p>To select all TIDs, simply hold down the upper square button. When this action is performed, the "AM" symbol will appear in the upper right corner of the display, indicating that all TIDs are selected.</p> <p>During the detection process, the detected TID value will be indicated on the display by a triangle pointing to the corresponding TID bar. This feature helps you quickly identify the nature of the detected target.</p>
10	Speaker Vibration	<p>Use the left side buttons on the control box to adjust the speaker's volume. Click to increase or decrease, and a vibration symbol will appear when muted, activating a tactile alert instead of sound.</p>
11	Wireless Audio	<p>When wireless devices are connected the symbol will appear. Previously paired headphones will be connected automatically. Go to <b>SET-WIRELESS AUDIO</b>.</p>
12	Clock	<p>Set clock at <b>SET-CLOCK</b> menu. The time will be reset when battery run out.</p>
13	All-metal status	<p>When all-metal shortcut button been pressed the AM(all metal) symbol will show up</p>
14	Backlight	<p>Press the button on the lower right side to adjust 9 levels backlit. Hold for flashlight</p>
15	Battery	<p>Indicating the real time battery status</p>
16	TX Power	<p>Indicating the TX power level which can be set in <b>DETECT-TX POWER</b> menu</p>
17	Recovery speed	<p>Indicating the recovery speed level which can be set in <b>DETECT-RECOVERY</b> menu</p>
18	FeSen Level	<p>Indicating the Iron Volume level which can be set in <b>SOUND-TONE VOLUME</b> menu</p>
19	Gyro sensor	<p>Indicating the Gyro status which can be set in <b>GROUND-GYRO SENSOR</b> menu</p>