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EVO 6000
User Manual

Table of contents

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Introducing the EVO6000

Thank you for choosing the EVO6000. At C.Scope we have decades of experience of making metal detectors. We designed EVO6000 to be a joy to use, from the way it feels when you pick it up to the way it looks and sounds. As a C.Scope customer we are here for you with our renowned customer service. We hope you love the EVO6000 as much as we do. Enjoy your EVO6000 and if you need any help or advice please get in touch with us by **email**, **online** or by **phone**. Our details are in the **Contact** section. To get detecting follow the instructions in **Getting Started**.

The EVO6000 has a large clear display with four round dials so you can see how the detector is set up at a glance. The large digits in the middle of the display tell you what kind of target your EVO6000 is detecting. The depth indicator arrows on the right indicate the depth and size of your find. The **screen** has a dimmable backlight for low light situations. The EVO6000 has a beautifully simple and intuitive user interface with just six buttons on the **keypad**.

The EVO6000 can be used with with **wired headphones**, without headphones or with **wireless headphones**. The EVO600 supports **aptX™ Low Latency Bluetooth**® which delivers high quality wireless audio with no perceptible delay when used with **aptX™ Low Latency Bluetooth**® capable headphones**.** Use the 3.5 mm jack socket to connect **wired headphones**. The **headphone socket** and the **USB C charging port** are on the back of the control unit behind a **waterproof cover** which must be closed if the EVO6000 control unit is immersed in water.

Your EVO6000 will work for over 20 hours on a full charge. When you eventually do need to recharge, use the **USB C charging port** to connect the supplied charger or to connect a **USB battery pack.**
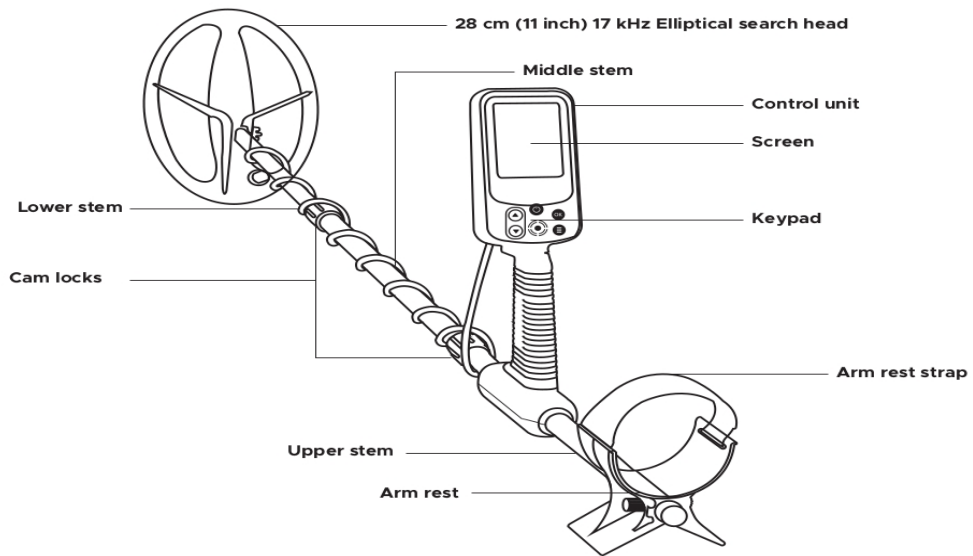
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The **USB C charging port** can also be used to **update your EVO6000 software** using the **EVO6000 Toolkit** which is available for Mac and PCs at **csmetaldetectors.com**.

Above the **USB C charging port** and **headphone socket** is the socket for the metal detector **search head**. Connect the **search head** by wrapping the **cable** round the **stem**, sliding the **search head plug** into the **search head socket** and tightening the **metal thumb wheel**.

The EVO6000 comes with a **28 cm (11 inch), 17.5 kHz, elliptical search head** which is lightweight, great for finding coins and gives good depth. The elliptical shape creates a blade shaped field which gives a sharp signal when you sweep over a target. For more depth, for difficult sites or for special conditions other EVO search heads are available as **accessories**.

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Product Overview

28 cm (11 inch) 17 kHz Elliptical search head

Middle stem

Control unit

Screen

Lower stem

Keypad

Cam locks

Arm rest strap

Upper stem

Arm rest

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Getting Started

Your EVO6000 comes with enough charge for you to try it out immediately. To get the best out of your **battery** we recommend that you charge your EVO6000 fully before you use it. The **USB C charging port** on the EVO6000 is on the back behind the **waterproof cover**.

Once your EVO6000 is charged you are ready to get started. To assemble your EVO6000 follow the instructions in the **Assembling Your EVO6000** section. To start detecting take these steps:

Step 1	⏻	Press the **power button** to start your EVO6000.
Step 2	☰	Open the EVO6000 menus using the **menu button**
Step 3	🔽🔼	Use the **up and down buttons** to choose a **program**. Normally **INLAND** will work well.
Step 4	OK	Confirm your selection with the **OK button**
Step 5	🔽🔼	Use the **up and down buttons** to set the **sensitivity** to the highest value that you can with the detector not sounding.

That's it. You are ready to go!

The **Wireless Headphones** section explains how to pair your **wireless headphones** with your EVO6000. To connect wired headphones, use the **headphone socket**. The **headphone socket** on the EVO6000 is on the back behind the **waterproof cover**. The **waterproof cover** must be closed if the EVO6000 control unit is immersed in water.

The **Programs** section explains the pre-set **programs** and how to select them. **Using the Menus** explains how to tailor the settings on your EVO6000 to your situation or preferences. If you have chosen some settings which are not working well, selecting a pre-set **program** will get your EVO6000 back to one of our recommended configurations.

The **Metal Detecting Technique** section has suggestions on how to maximise your detecting performance.

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What is in the Box?

- Arm rest
- Arm rest strap
- Upper stem and control unit
- Middle stem
- Lower stem
- 28 cm (11 inch) 17 kHz elliptical search head
- USB charger
- USB C cable
- Wireless headphones (if you purchase the wireless headphone model)

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Assembling Your EVO6000

First attach the **lower stem** to the **search head**. Insert the rubber washers into the recesses either side of the end of the **lower stem**, slide the **lower stem** and washers into the **search head** with the locking pin facing backwards, then slide in the bolt so the nut on one end sits in the slot on the **search head**, then tighten the plastic wing nut so the **search head** no longer moves freely.

The EVO6000 has a **three part stem** so it can be packed into small spaces. Each part of the **stem** slides into the next and clicks into place when it is lined up. Adjust the length of the **stem** so the detector feels balanced in your hand and is pressing gently on the back of your arm. Twist the **cam locks** at each of the joints to hold the **stem** firmly in place. To adjust the length of the **stem**, loosen the **cam lock** then press in the **locking pins** and reposition the **stem**.

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Once the **stem** is complete wrap the **cable** around it, roughly five times depending on the length you have set the **stem** to. Take care to make sure the **search head** can be moved without straining the **cable**. Ensure that there is no loose **cable** between the **search head** and the **stem** which might affect performance.

Connect the **search head plug** to the control unit by aligning it with the **search head socket**, gently pushing it into the **search head socket** and then securing it by tightening the **metal thumb wheel**.

Attach the **arm rest**. Pass the **arm rest bolts** through both halves of the **arm rest** and the top stem and then attach the **arm rest bolts**.

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Metal Detecting Technique

Sweep the metal detector from side to side. Your sweeps should take about two seconds in each direction. Move forward slowly so that you do not leave a gap between each of your sweeps. Keep the **search head** parallel to the ground and at a constant height above the ground. Keep the **search head** clear of the ground and of other obstacles. If the **search head** comes into contact with the ground or vegetation it can cause spurious signals. If you find swinging the detector uncomfortable, try adjusting the **stem** length and the **arm rest** position.

When you find a target sweep over it several times to verify that the signal is real and to gauge its rough position. From **motion mode** you can switch to **pinpoint mode** to better locate the target. Move the **search head** away from the target, either vertically or horizontally, and press the **pinpoint button** ⊚ to enter **pinpoint mode**. Move the **search head** slowly over the target, back and forth and from side to side. Listen for the highest volume and pitch to precisely locate the target.

In **non-motion mode**, if you find that the detector is disturbed by changes in **ground conditions**, use a short press on the **pinpoint button** ⊚ to reset the **baseline level**.

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Metal Detecting Theory

How a Metal Detector Works

Metal detectors work by creating a magnetic field which stimulates electric currents in metal objects. the metal detector measures the changes in the magnetic field caused by the currents. by analysing the strength and timing of the currents the metal detector can estimate the depth and the type of metal in a target.

the EVO6000 shows the depth on the right side of the display and the type of metal as a target id on the large digits in the centre of the screen. the **sensitivity level** setting (**SENSITIVITY**) is used to filter out weak signals which might be noise.
the volume of the low pitch tone the evo6000 makes when it detects iron targets is controlled by the **iron volume** setting (**IRON VOL**). if you are not interested in digging iron targets, set the **iron volume** setting (**IRON VOL**) low. Using an **iron volume** setting (**IRON VOL**) of zero will mute iron targets entirely.

the EVO6000 lets you assign different tones to different target ids using the **discrimination level** setting (**DISCRIM**). the volume of the medium pitch tone that the EVO6000 makes when it detects targets with target ids above iron, but below the **discrimination level** (**DISCRIM**) is controlled by the **discriminate volume** (**DISC VOL**). if you want to focus on targets with higher target ids, set the **discriminate volume** (**DISC VOL**) low.

Ground Signals

The ground can also cause changes to the magnetic field. the effect of the ground on the magnetic field changes with the level of mineralisation of the soil and on how close the ground is to the metal detector **search head**. metal detectors use timing information and the rate of change of the magnetic field to eliminate the ground signal.

The EVO6000 can automatically track and eliminate the ground signal (**TRACKING**). you can also set the ground level yourself (**GROUND**) or have the EVO6000 calculate a ground setting for you to use (**AUTOSET**). To help you spot when ground conditions have changed, the EVO6000 will tell you if the tracking value it would have used is different from the ground level you have set.

Detection Modes

Metal detectors working in **motion mode** monitor the instantaneous changes in the magnetic field as they pass over a target. motion mode is easier to use and set up because it is less sensitive to changes in ground conditions. in motion mode a detector will detect a target only when the **search head** is moving. even small movements of the **search head** are enough to make motion mode work.

Non-motion modes measure the level of the magnetic field relative to a **baseline** level. the **baseline level** has to be reset when ground conditions change or in the presence of multiple targets. **Non-motion modes** can find deep targets and do not require you to move the **search head**. **Non-motion modes** are great for pin pointing targets and on sites where it is difficult to swing the search head.

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The default detection mode on the EVO6000 is **motion mode** with a **pinpoint mode** to help precisely identify the position of a target. a short press on the **pin point button** 🔘 puts you into **pinpoint mode**. the EVO6000 **pinpoint mode** uses the volume and pitch of the tone to help you locate a target. a long press on the **pinpoint button** 🔘 puts you in the non-motion modes. the EVO6000 has two non-motion modes. **non-motion audio discrimination mode** gives you all the benefits of non-motion and a target id as well as audio tones to help you identify your target. **non-motion single tone mode** uses just one tone for a clear, simple location of any target.

Head Selection

The EVO6000 comes with a **28 cm (11 inch), 17.5 khz elliptical search head**. this **search head** is great for finding coins in normal soil at depths of up to 35 cm (14 inches). other search heads are available as **accessories**. bigger search heads are better at finding larger, deeper targets. smaller search heads are better at pin pointing smaller targets and in confined spaces. lower frequencies work better on more mineralised soil and higher frequencies help find smaller targets with high target ids.

	Small Search head < 20 cm (< 8 inches)	Medium Size Search head 20-30 cm (8 to 12 inches)	Large Search head > 30 cm (> 12 inches)
Low Frequency (<10kHz)	Mineralised soil Large, thick targets Higher target IDs About 12''or 30 cm deep Regular target density Tight spaces	Mineralised soil Large, thick targets Higher target IDs More than 12'' or 30 cm deep Uncongested site Room to swing search head	Mineralised soil Large, thick targets Higher target IDs More than 12''or 30 cm deep Uncongested site Room to move search head freely
Mid Frequency (10-20 kHz)	Average soil Coin size targets All target IDs Up to 12'' or 30 cm deep Regular target density Tight spaces	Average soil Coin size targets All target IDs About 12'' or 30 cm deep Regular target density Room to swing search head	Average soil Coin size targets All target IDs More than 12'' or 30 cm deep Regular target density Room to move search head freely
High Frequency (>20kHz)	Low mineralisation Small, thin targets Lower target IDs Up to 12'' or 30 cm deep Trashy site Tight spaces	Low mineralisation Small, thin targets Lower target IDs Up to 12'' or 30 cm deep Regular target density Room to swing search head	Low mineralisation Small, thin targets Lower target IDs About 12'' or 30 cm deep Regular target density Room to move search head freely

Metal Detecting Code of Conduct

- Be aware of and obey laws and regulations at local and national level covering metal detecting.

- Dig with care and do not damage property. Always fill the holes you dig. Leave the land and environment as you found it.

- Do not damage or destroy archaeological artefacts or sites. Follow applicable laws and regulations when you find an item of historical value.

- Respect the rights of landowners. Do not use your metal detector on private property without permission.

- Take care not not to litter. Take your rubbish home with you.

- Be safe. Do not dig where electric cables or other services may be buried.

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Screen

The EVO6000 has a large clear display with four round dials so you can see how the detector is set up at a glance. The large digits in the middle of the display tell you what kind of target your EVO6000 is detecting. The **screen** has a **backlight** for low light situations.
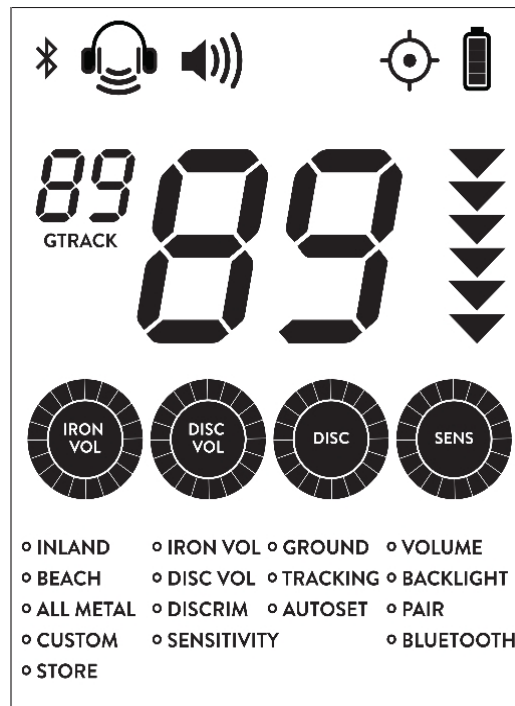
The large digits in the middle of the display are the **target ID**. As a rough guide, targets which have a high iron content and are low value have low **target IDs** and better targets have higher **target IDs**. On the right of the target ID is the **depth indicator**. The more arrows the **depth indicator** the deeper your find is.

The round dials below the **target ID** show the settings the EVO6000 is currently using. **Iron volume** (**IRON VOL**) controls the volume of the low tone which plays for ferrous targets. **Discrimination volume** (**DISC VOL**) controls the volume for the middle tones which plays for targets with target IDs below the **discrimination level** (**DISC**). You can adjust these levels in the **Tones and Target ID Ranges** menu. The **sensitivity** (**SENS**) can also be adjusted while you are detecting using the **up and down buttons** ⊗ ⊕.

The icons across the top of the screen show the status of your EVO6000. The **Bluetooth**® and **master volume** can be adjusted in the **Master Volume, Backlight and Bluetooth**® menu. The **Bluetooth**® **indicator** will be on if you have headphones connected. It will flash when **Bluetooth**® is connecting. It will flash faster if your EVO6000 is **pairing**. The **headphone indicator** shows if you have **headphones** connected and if they are **wireless headphones**. The **master volume indicator** shows more waves for higher volume settings. The target symbol is the **pinpoint indicator**. It comes on when you are in **pinpoint mode**. It blinks once if you are in **non-motion audio discrimination mode** and blinks twice if you are in **non-motion single tone mode**. The **battery level indicator** shows the amount of charge left in the battery. The **battery level indicator** scrolls up when the battery is **charging**.

On the smaller digits to the screen is the **ground level** reading. The reading indicates the level of mineralisation of the soil. If you choose **ground tracking** in the menus the **GTRACK** indicator will be

on and the ground level will continuously track **ground conditions**. The ground level settings are in the **Ground Balance** menu.

Across the bottom of the screen are the menus. These will be blank when you are not using them. Use of the menus is explained in the **Using the Menus** section.

Keypad

Using The Keypad For Motion Mode Detecting

When you are detecting, the **up and down buttons** ⚫⚫ adjust the **sensitivity** of your EVO6000. Turn the **sensitivity** down if you find that you are getting spurious signals or you want to ignore some of the smaller deeper targets.

◉	Press the **pin point button** to switch to and from pin point mode.
⚫ ⚫	Press the **up or down buttons** to adjust sensitivity.
☰	Press the **menu button** to open the menus.
OK	Press the **OK button** to start and stop the on screen animation.

Using The Key Pad For Non-Motion Mode Detecting

A long press on the **pinpoint button** ◉ will switch the EVO6000 to **non-motion audio discrimination mode**. The **pinpoint indicator** on the screen will flash and the animation on the screen will change. In the two **non-motion detection modes** the **pinpoint button** ◉ resets the **baseline level**. You will need to reset the **baseline level** when ground conditions change.

◉	Long press the **pinpoint button** to switch between detecting modes. Short press the **pinpoint button** to reset the **baseline level**.
⚫ ⚫	Press the **up or down buttons** to adjust sensitivity.
☰	Press the **menu button** to open the menus.
OK	Press the **OK button** to start and stop the on screen animation.

Using The Keypad For Navigating Menus

In the menus the **up and down buttons** ⬇⬆ select a item from the current menu. Pressing the **menu button** ☰ will move you the next menu. Pressing the **OK button** ⊙ will choose the current menu item.

☰	Press the **menu button** to switch to the next menu.
⬇ ⬆	Press the **up or down buttons** to select a menu item.
OK	Press the **OK button** to choose the current menu item.

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Using the Menus

The menus on the EVO6000 run across the bottom of the **screen**. They are hidden when you are detecting but pop up when you press the **menu button**.

☰	Press the **menu button** to open the menus.
☰	Press the **menu button** to choose a menu.
▼ ▲	Press the **up or down buttons** to choose a menu item.
OK	Press the **OK button** to select the menu item.

Where you have selected a level (e.g. **backlight**), the value of the level will appear and flash on the screen.

▼ ▲	Use the **up or down buttons** to set the value
OK	Press the **OK button** to confirm.

Programs (INLAND, BEACH, ALL METAL, CUSTOM, STORE)

The EVO6000 has three pre-set **programs**. They are on the first menu. The EVO6000 also allows you to save and retrieve your favourite settings as **custom programs**. Choosing Store (**STORE**) from the first menu and then selecting a **memory slot** will save your **program**. Choosing **custom** (**CUSTOM**) and then selecting a **memory slot** will retrieve the **program** in that slot.

INLAND	Ideal for sites with normal soil conditions and where discrimination is required.
BEACH	Optimised for salty or mineralised sand or soil. Use on dry or wet ground, or in the water.
ALL METAL	When you do not want to miss anything and are going to dig everything.
CUSTOM	Retrieve settings you have previously stored as a **custom program**.
STORE	Store your favourite **custom programs** for future use.

Menu 1

Tones and Target ID Ranges (IRON VOL, DISC VOL, DISCRIM, SENSITIVITY)

The EVO6000 gives feedback on the type, size and depth of targets on the display and in audio tones. The display shows a large number which is the **target ID**. As a rough guide, targets which have a high iron content and are low value have low target IDs and better targets have higher **target IDs**.

IRON VOL	The volume of the low **iron tone**. Set to zero to mute iron.
DISC VOL	The volume of tones for targets below the **discrimination level** (**DISCRIM**)
DISCRIM	The **target ID** above which the high tone will play.
SENSITIVITY	Set the **sensitivity** to highest value that you can without the detector sounding.

Menu 2

The EVO6000 has three **audio ranges**, each has a tone, or range of tones, and a separate volume level. The volume of all the tones is controlled by the **master volume** (**VOLUME**). Setting the **master volume** (**VOLUME**) to zero will mute all tones. A deep, small target generates a quieter tone than a shallow, large target. The **Extras** menu can be used to increase the number of tones in each range from one to up to twelve, giving up to 36 tones in total.

Ground Balance (GROUND, TRACKING, AUTOSET)

The **ground balance** is the level the detector uses to ignore signals which are generated by movement of the **search head** relative to the ground or changes in soil conditions. The level can be set to track the correct **ground level** continuously (**TRACKING**), or to a level you choose. The EVO6000 can suggest a level for you to choose (**AUTOSET**) or you can set a value manually (**MANUAL**).

GROUND	Set the ground level manually.
TRACKING	Track the correct ground level continuously.
AUTOSET	Your EVO6000 will calculate a level for you.

Menu 3

The simplest way to set the **ground level** is to use **TRACKING**. When you chose this option the **GTRACK** indicator under the small digits on the left of the screen will light up, the EVO6000 will continuously adjust the **ground level**, and the small digits will show the **ground level** being used.

To set the **ground level** manually choose **GROUND** put the search head on the soil or sand and then repeatedly raise it and bring it back down. Use the **up and down buttons** ⊙⊙ to change the **ground level**. When the detector is silent and ignores the ground signal press the **OK button** ⊙.

To use a **ground level** automatically calculated by the EVO6000 choose **AUTOSET** put the **search head** on the soil or sand and then repeatedly raise it and bring it back down. The EVO6000 will calculate a **ground level** and display it on the screen. You can alter the level using the **up and down buttons** ⊙⊙. When the detector is silent and ignores the ground signal press the **OK button** ⊙.

When you use **GROUND** or **AUTOSET** and the ground conditions change, the EVO6000 will tell you by flashing a **HI or LO message** on the small digits on the left hand side of the screen. You can correct the ground level by repeating the **GROUND** or **AUTOSET** process.

Master Volume, Backlight and Bluetooth (VOLUME, BACKLIGHT, BLUETOOTH, PAIR)

The **master volume**, which affects all tones, is controlled by the **VOLUME** setting.

VOLUME	The **master volume** level. Set to zero to mute all sound.
BACKLIGHT	Set the brightness of the **backlight**.
BLUETOOTH	Turn on **aptX™ Low Latency Bluetooth** to connect your **wireless headphones**.
PAIR	Forget the current **wireless headphones** and search for a new set of headphones to PAIR to.

Menu 4

Your EVO6000 uses **aptX™ Low Latency Bluetooth**® which means you get great quality audio with no wires and no perceptible delay. You should use headphones which support **aptX™ Low Latency** to get delay free audio. We recommend the C.Scope headphones which are described in the **Accessories** section.

To turn on **Bluetooth**® and automatically connect to your headphones choose **BLUETOOTH**. Your EVO6000 will search for the last set of **wireless headphones** you paired and will connect to them automatically. Choosing **BLUETOOTH** again will switch off **Bluetooth**®. The EVO6000 can be connected to a new set of **wireless headphones** by choosing **PAIR**. Pairing makes your EVO6000 forget the last set of headphones it was paired with and starts a search for a nearby set of headphones which are in pairing mode. Consult the instructions for your **wireless headphones** to find out how to put them into pairing mode, sometimes this is called making them "discoverable".

Extras (TONES, SPEED, RESET)

Your EVO6000 has ranges of **target IDs** for iron, below **discrimination level** and above discrimination level. You can use one tone for each of the ranges, making three tones in total, or you can increase the number of tones for each range so high **target IDs** get higher tones.

TONES	Change the number of tones played from 3 to 36.
SPEED	Set the **response speed**. Fast and shallow (10) or slower and deeper (1)
RESET	Set the EVO6000 back to **factory settings**.

Extras Menu

The **SPEED** setting controls how fast your EVO6000 responds to a target. Higher **response speed** means that your EVO6000 can separate targets more clearly and with less lag. Running you EVO6000 slower will let it see deeper targets.

RESET sets all your settings to **factory settings**, resets all **custom programs** and forgets the current paired **wireless headphones**.

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Detection Modes

Your EVO6000 supports four detection modes. The default mode is **motion mode**.

In **motion mode** a short press on the **pinpoint button** ◉ puts your EVO6000 into **pinpoint mode**. Another short press puts your EVO6000 back into **motion mode**.

A long press on the pin point button ◉ steps through the non-motion modes. The first long press puts your EVO6000 into **non-motion audio discrimination mode**. Another long press puts your EVO6000 into **non-motion single tone mode**. The third long press puts your EVO6000 back into **motion mode**.

Motion Mode

Motion mode detects targets as they move relative to the detector head. **Motion mode** is good at excluding ground signals and gives an accurate **target ID**. In **motion mode** you must swing the detector as described in **Metal Detecting Technique**. When you find a target you may wish to press the **pinpoint button** ◉ to switch to **pinpoint mode** to help precisely locate the target.

Pinpoint Mode

Pressing the **pinpoint button** ◉ in **motion mode** puts your EVO6000 into **pinpoint mode**.

Pinpoint mode is designed to help you precisely locate a target before you start digging. In **pinpoint mode** you do not have to swing the **search head**. You can slowly move the **search head** around to find the exact location of a target. In **pinpoint mode** the large numbers on the screen will show the signal strength. The tone rises with signal strength as you get closer to the target. Move the **search head** slowly over the target to find where your EVO600 has the highest number and tone.

Pressing the **pinpoint button** ◉ in **pinpoint mode** puts your EVO6000 back into **motion mode**.

Non-Motion Audio Discrimination Mode

A long press on the **pinpoint button** ◉ in **motion mode** puts your EVO6000 into **non-motion audio discrimination mode**.

Non-motion audio discrimination mode is designed to help you find deep targets on uneven or overgrown sites where it is difficult to swing the detector. In **non-motion audio discrimination mode** you do not have to sweep the **search head**. You can slowly move the **search head** around to find a target. In **non-motion audio discrimination mode** the large numbers on the screen will show the **target ID**. The pitch of the tone reflects the **target ID** of the target. Stronger signals will give louder tones.The pitch and volume of the tone can be managed using the **iron volume**, **discrimination level** and **discrimination volume** and **master volume** settings. In **non-motion audio discrimination mode**, if you find that the detector is disturbed by changes in ground conditions, use a short press on the **pinpoint button** ◉ to reset the **baseline level**.

A long press on the **pinpoint button** ◉ in **non-motion audio discrimination mode** puts your EVO6000 into **non-motion single tone mode**.

Non-Motion Single Tone Mode

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A long press on the **pinpoint button** in **non-motion audio discrimination mode** puts your EVO6000 into **non-motion single tone mode**.

Non-motion single tone mode is designed to help you find deep targets on uneven or overgrown sites where it is difficult to swing the detector and where you are interested in digging all targets. In **non-motion single tone mode** you do not have to sweep the **search head**. You can slowly move the **search head** around to find a target. In **non-motion single tone mode** the large numbers on the screen will show the target ID. The volume of the tone reflects the signal strength.

In **non-motion single tone mode**, if you find that the detector is disturbed by changes in ground conditions, use a short press on the **pinpoint button** to reset the **baseline level**.

A long press on the **pinpoint button** in **non-motion single tone mode** puts your EVO6000 into **motion mode**.

Battery

The EVO6000 comes with enough charge for you to try it out immediately. To get the best out of your **battery** we recommend that you charge your EVO6000 fully before you use it. The **USB C charging port** on the EVO6000 is on the back behind the **waterproof cover**.

The **battery** indicator in the top right of the screen shows the **battery** state. When the **battery** is charging the **battery level indicator** shows the level of charge scrolling up to full from the current level. You can charge your EVO6000 from the supplied charger or from an external USB power pack.

If your **battery** needs to be replaced, please contact C.Scope using **https://www.csmetaldetectors.com/contact-us**. If your **battery** is damaged please dispose of it in accordance with local regulations.

Headphones

The EVO6000 can be used with with **wired headphones**, without **headphones** or with **wireless headphones**. If no **headphones** are connected, tones will be played through the built in **loudspeaker**. The volume of the audio is controlled using the **master volume** control. Setting the **master volume** to zero will **mute** all audio.

Wireless Headphones

The EVO600 supports **aptX™ Low Latency Bluetooth**® which delivers high quality wireless audio with no perceptible delay when used with **aptX™ Low Latency Bluetooth**® capable headphones**.** For best results and support, we recommend C.Scope headphones.

Connecting and Disconnecting

To connect your **wireless headphones** for the first time you first need to **pair** them with your EVO6000. Once your headphones have been paired and connected once they will be remembered by your EVO6000 and will connect automatically each time your EVO6000 is turned on and whenever you enable **Bluetooth**®.

You can switch from **wireless headphones** back to the **loudspeaker** by switching off Bluetooth or by turning off your **wireless headphones**. To switch off **Bluetooth**®, choose **BLUETOOTH** from the **Master Volume, Backlight and Bluetooth**® menu. Choose **BLUETOOTH** again to turn **Bluetooth**® back on and automatically reconnect with your **wireless headphones**.

Paring

Follow the instructions for your **wireless headphones** to put them into **pairing** mode. Normally you make sure the **headphones** are turned off, then press and hold the on button on the **headphones** until you hear confirmation that they are **pairing**. While your **wireless headphones** are pairing , choose **PAIR** from the **Master Volume, Backlight and Bluetooth**® menu on the EVO6000. The **Bluetooth**® **indicator** will flash slowly then quickly as **pairing** progresses. **Pairing** can take about a minute. Once **pairing** completes, the name of the **headphones** will briefly appear on the **screen** and the **headphones** will connect. The **Bluetooth**® **indicator** will be on, the **headphone indicator** will show the headphone icon with waves and any sound will play over the **wireless headphones**. For help with pairing check the **Troubleshooting** section.

Unparing

To forget a set of **wireless headphones**, choose **PAIR** from the **Master Volume, Backlight and Bluetooth**® menu and do not carry out the **pairing** process on your wireless headphones. The **pairing** process will time out and the EVO6000 will no longer be paired to any wireless headphones.

Wired Headphones

Use the 3.5 mm jack socket to connect wired **headphones**. The **headphone socket** and the **USB C charging port** are on the back of the control unit behind a **waterproof cover** which must be closed if the EVO6000 control unit is immersed in water. Once the headphones are plugged in the **headphone indicator** will show the **headphone** icon and any sound will play over the **headphones**.

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Troubleshooting

If you have problems with your EVO6000 the fixes below may get you back up and running quickly. If you still need any help or advice please get in touch with us by **email**, **online** or by **phone**, our details are in the **Contact** section

EVO6000 will not turn on	• Check your EVO6000 is charged up. Connect it to the supplied charger or a USB **battery** pack for two hours for a full charge.
EVO6000 keeps making noises	• Move away from possible sources of interference like high voltage lines, other detectors or electronics. • Turn down the **sensitivity** on your EVO6000 • Turn on **ground tracking** or adjust the **ground balance** on your EVO6000
No sound coming from **wireless headphones**	• Make sure the **master volume** on your EVO6000 is not set to zero. • Check that your **wireless headphones** are turned on and are charged up. • Adjust the volume on your **wireless headphones**. • Check that you have **Bluetooth**® turned on on your EVO6000 • Ensure your **wireless headphones** are paired to your EVO6000. If you are not sure if they are paried, repeat the **paining process**.
No sound coming from wired **headphones**	• Make sure the **master volume** on your EVO6000 is not set to zero. • Check that your **headphones** are plugged in securely and that the headphone indicator is showing on the screen. • If your headphones have a volume button or switch, adjust the volume on your **headphones**.
Bluetooth wireless will not connect	• Sometimes pairing or reconnecting over **Bluetooth**® takes time. Allow a minute or so for your EVO6000 to connect. • Check that you have **Bluetooth**® turned on on your EVO6000 • Ensure your **wireless headphones** are paired to your EVO6000. If you are not sure if they are paried, repeat the **pairing** process.

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Contact

email	**service@cscope.co.uk**
online	**https://www.csmetaldetectors.com/contact-us**
phone	**+44 1223 629181**

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EVO6000 Specification

Battery	LiPo 2000 mAh
Battery life	Up to 20 hours
Battery charge time	2 hours on a 2 Amp charger
Frequencies	17.5 kHz on standard head.
Volume levels	12
Iron volume levels	100
Discrimination volume levels	100
Sensitivity levels	100
Discrimination levels	100
Target IDs	100
Depth levels	6
Pinpoint tones	100
Tones	3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36
Detect modes	• Motion • Pinpoint • Non-motion audio discrimination • Non-motion single tone
Preset programs	• Inland • Beach • All Metal
Custom programs	10
Ground balance	• Tracking • Automatic • Manual
Speeds	10
Assembled Length	1.15 m to 1.40 m
Weight	1.45 kg
Audio Output	Built in speaker 3.5 mm headphone jack **aptX™ Low Latency Bluetooth**® audio
Standard Search head	**28 cm (11 inch), 17.5 kHz elliptical search head**
Standard Wireless Headphones	**aptX™ Low Latency Bluetooth**®
Display	3.75'' LCD display
Waterproof	Water proof to 1 m (3 feet) with cover closed
Operating temperature	-10°C to 30°C (+15°F to +120°F)
Storage	-10°C to 30°C (+15°F to +120°F)

temperature	
Software Upgrades	Mac and PC software to install new firmware

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Accessories

C.Scope accessories for the EVO6000 are available at
csmetaldetectors.com/shop/category/accessories

A range of **search heads**, with various **frequencies** are available for the EVO6000. All our **search heads** are resonated at a specific frequency, which means you get more signal for the same amount of power. The supplied 8 x 11" (20 x 28 cm) EVO 2D Elliptical Search Head is a great all-rounder. If you want more depth and are searching relatively clear sites for larger targets, a bigger, lower frequency search head would be great. If you are looking for small targets on trashy or confined sites then a smaller, higher frequency search head will help.

Shape	Sizes	Frequencies
EVO 2D Elliptical Search Head	11 x 14" (28 x 34 cm)	7.75 kHz
		17.5 kHz
	8 x 11" (20 x 28 cm)	7.75 kHz
		17.5 kHz
EVO Polo Search Head	8" (20 cm)	17.5 kHz
EVO 2D Search Head	6" (15cm)	17.5 kHz

Your EVO6000 case is made of hard wearing plastic and is waterproof. For more protection and for a different look you can add a **control unit cover**. To complete your look while out with your EVO6000 we have a range of Hoodies, T-Shirts, Cap and Bags.

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Update Your EVO6000 Software

We are constantly working to improve the performance and functionality on the EVO6000. We release **firmware** updates using the **EVO6000 Toolkit** which is available for Apple Mac and PC. You can download the toolkit from the C.Scope download page at **csmetaldetectors.com**.

Safety Information

Please review the latest product information, health and safety information and instructions available at csmetaldetectors.com before using your device. You can also find a link to the limited warranty, regulatory information about your EVO6000 and additional support resources there.

Electric Shock and Heat: Do not expose your EVO6000, the charger or headphones to water or extreme conditions. Take care when handling the charger to avoid electric shock. Only use the charger provided to charge your EVO6000.

Pacemakers and Other Implanted Devices: The EVO6000 contains magnets and components that emit an electromagnetic field and could interfere with pacemakers or other electronic medical devices. Before using your EVO6000, consult your physician or medical device manufacturer about the required minimum safe distance between your EVO6000 and your medical device.

Device with Magnet: Avoid placing any media that contains magnets or is sensitive to magnetism, such as credit cards, bank cards, audio/video, tapes, or magnetic memory devices, near this product. Media containing information sensitive to magnets should be kept at least 5 cm (2 inches) away from the product. For example, if you carry your wallet or billfold containing magnetic cards next to this product, information stored on those cards could be destroyed.

Similarly, magnet-sensitive devices, such as a mechanical watch or measuring device, can be damaged if they come too close to this product.

EU Compliance Statement

Hereby, C.Scope International Limited declares that the radio equipment type EVO6000 is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU. The full text of the EU declaration of conformity is available at csmetaldetectors.com/doc.

This product emits radio frequency fields. The use of radio frequency emitting metal detectors may be restricted in certain territories. Check with local authorities before use.

Radio Frequency Specification

Detector operating frequency: 17.5 kHz +/- 1.0 kHz

Detector maximum radio frequency power at 1m: 64.5 dBµA/m within +/- 6bB

Bluetooth 2.4 GHz to 2.4835 GHz, -5.9 dBm

Detection Range:

MODE	Target 1 (mm)	Target 2 (mm)
DISC 1; GROUND 50	277	180
DISC 99; GROUND 50	277	180
DISC 1; GROUND TRACKING	277	180
DISC 99; GROUND TRACKING	277	180

Target 1: 50mm x 50mm x 1.0mm Copper
Target 2: 14mm diameter Chromium plated steel ball
Settings: SENS 90; IRON VOL 99; DISC VOL 99;
Environment: In air, 1.5m from any ground and 5m from any metal. Very low ambient electromagnetic field.
Operational Note: Extraneous electromagnetic fields may result in false positive indications.

Important: This product has demonstrated EMC compliance under conditions that included the use of compliant peripheral devices and shielded cables between system components. It is important that you use compliant peripheral devices and shielded cables between system components to reduce the possibility of causing interference to radios, televisions or other electronic devices.

This device may be operated in all member states of the EU, as well as Switzerland, Norway, Iceland, Liechtenstein and Turkey.

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EVO6000 is a trademark of C.Scope International Limited.

European Union – Disposal Information: The symbol above means that according to local laws and regulations your product and/or its battery shall be disposed of separately from household waste. When this product reaches its end of life, take it to a collection point designated by local authorities. The separate collection and recycling of your product and/or its battery at the time of disposal will help conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment.

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