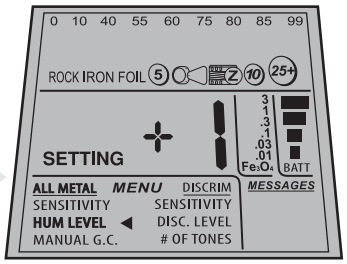
How to Set Up and Use the T^2
FOR GOLD PROSPECTING



❶ Keep cable tight around pole. Secure cable with Velcro™ Strip at top & bottom.

❷ Turn detector on and set volume to maximum.

❸ Operate in All-Metal mode with Hum Level at +1. This is the default setting on newer detectors.

❹ Cancel ground minerals using the FastGrab procedure.

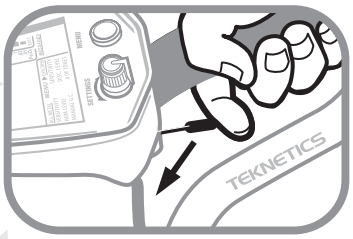
Important: Practice this and be sure that you do it correctly.

FastGrab procedure:

a) Find a patch of ground where there is no metal present.

b) Hold the detector with the searchcoil about 20cm (8 inches) above the ground.

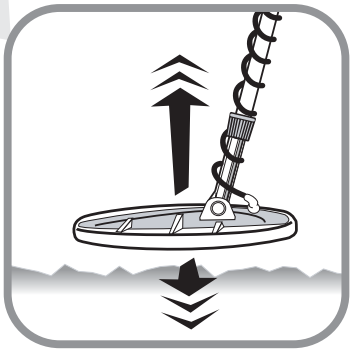
c) Push the Trigger Switch forward with your index finger. Keep it forward.



d) Physically "pump" the searchcoil repeatedly up-and-down over the ground.
- Lift it to about 20cm (8 inches) above the ground.
- Lower it to within about 2cm (1 inch) of the ground.

e) A 2-digit number will appear on the display. This is the Ground Phase Setting.

f) Release the Trigger Switch while you are pumping the searchcoil.



If FastGrab does not successfully cancel ground minerals, one of two things will happen:

1) You will hear an alarm sound and see the message "Overload Raise Coil."

2) or, you will see the message "CAN'T G.C."

If either of these happen:

Move several meters away and try again on another patch of ground.

If still not successful, then perform the Manual G.C. procedure (see manual).

❺ To find the most gold, use Manual G.C. and adjust for positive response (see manual).

❻ Always operate the detector with a continuous audible hum.

a. Learn what the ground sounds like.
The sound from the ground is the *variation you hear* as you sweep over the ground.

b. Listen very carefully as you sweep.

c. Your objective is to ***hear the sound of gold through the background sound of the ground.***

❼ If the sound of the ground is too loud:

Cancel ground minerals again using the FastGrab procedure.

If the sound of the ground is still too loud:

Reduce Sensitivity Setting (on the display screen), until the sound of the ground is barely audible.

❽ If the sound of the ground is not audible, as you sweep over the ground:

Increase the Sensitivity Setting until the sound of the ground becomes audible.

❾ As you move from one area to the next, the sound of the ground may change (get louder or quieter).
As the sound of the ground changes, recalibrate by repeating the FastGrab or Manual G.C. procedures.

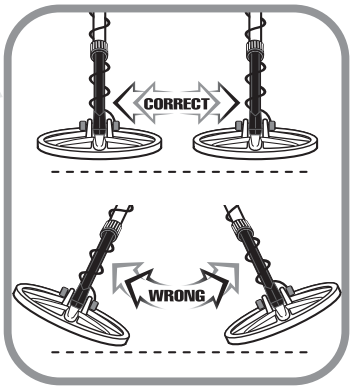
❿ Use good sweep technique:

a. Searchcoil must be in motion to detect buried objects. Do not stop sweeping back-and-forth.

b. Sweep searchcoil parallel to ground. Do not lift searchcoil at end of sweeps.

c. Sweep searchcoil close to ground (OK to occasionally touch the ground).

d. A faster sweep can find larger deeper gold, but may miss the smaller shallower gold.



⓫ Understand Hot Rocks and use a magnet to check your finds.

Read the Hot Rocks section of the manual.

⓬ Learn the Sounds

- Gold and other metals produce a "ZIP" sound. The sound stays in the same place.
- Hot Rocks may produce a "ZIP" sound, like metal, or a "BOING" sound which moves around.
- Ground sounds are irregular and not confined to a specific spot.
- The sound of any particular Hot Rock depends on the GC Setting.

⓭ Pay attention to the Fe_3O_4 Bargraph and the G.C. Phase:

In some areas, productive gold-bearing soils may have similar Fe_3O_4 and G.C. Phase values

⓮ See the video "Gold Prospecting with Teknetics T2 Metal Detector" at www.TekneticsT2.com or www.YouTube.com.

Note: DISCRIM mode may be better in some situations. Soils with lots of iron trash, or noisy ground which cannot be quieted with ground balancing may require the discrimination mode.

To change to DISCRIM mode, turn SETTINGS knob to the right.