

V1.0 of the DEUS II introduces some new features/modifications described below :

Tones - Threshold and tones settings



Press > DISCRI > (3 sec). Choose 2 Tones - 3 Tones - 4 Tones - 5 Tones.

Press (3 sec) to access the MULTI TONES screen.

Customize the sound partitioning of the discrimination range. A volume level (0 to 10) and a sound frequency (comparatively low- or high-pitched) is assigned to each part of the discrimination range. Press to choose the Tone, the TONE BREAK (T. BREAK) or the VOLUME (VOL) and set them using + and - .

Volume of the low-pitched tone (tone 1) is the same as the Iron Volume.

Full tones



With Full Tones, the ground area is audible from -6.4. The discrimination setting acts as a "tone break," and the Iron Volume setting adjusts the volume of ground and ferrous below the discrimination level.

Full tones - Threshold and volume settings



From Full Tones, press (3sec).

Customize the sound partitioning of the discrimination range for Full Tones and Adjust volume levels of each tone independently.

Press to choose the TONE BREAK (T. BREAK) or the VOLUME (VOL) and set them using + and - .

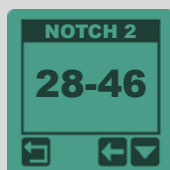
Offset Full tones (Only with Full Tones mode ON)



the OFFSET FT feature allows the user to shift the "Full Tone" audio frequencies of targets with a signature just above the Discrimination threshold, in order to better differentiate them audibly from iron.

0 = no offset 5 = (default value) creates a little offset
40 = all targets above discrimination will sound with the same high tone.

Multi-Notch



Select NOTCH1 inside MENU > DISCRI and press (3 sec).

This advanced notch function enables you to widen the rejection window in the event that the undesirable target(s) have a fluctuate conductivity. Select Tone break 1 or 2 with (3 sec). Adjust the values and .

If several targets with different conductivity levels are a problem, you can activate two other notches: N2 and N3. Use to select N2 or N3 and adjust as for N1.

Threshold (Only with Pitch mode ON)



The tone of the Threshold (and the deepest / smallest targets) can be modified from 150 to 603 Hz. Press (3sec) and adjust it with and .

Frequency

DEUS II offers a wide choice of programs using different frequency configurations :

- Eleven simultaneous multi-frequency programs, each with different combinations of frequencies and internal parameter settings (see chapter Programs for the specific features of each one). The maximum frequency used by FMF programs can be configured by the user : 14 kHz - 24kHz or 40 kHz.

To help you better adapt to your soil and desired targets, the DEUS II offers you the possibility to limit the frequency band used from above. For example : You can configure your machine with 24kHz limit to be less sensitive to very small conductors and more stable in difficult ground conditions. Selecting the 14kHz limit can help focus on high conductors while reducing the crackling from some ferrous targets. Selecting the 40kHz limit will remain the most versatile option because it selects the widest frequency range, which will be more sensitive to a wider range of targets, non-ferrous targets close to ferrous and better performance on some mineralized ground.

FMF multi frequency programs



Press **←** or **→** to select one of the 3 frequency limits.

If you are experiencing too much interference:

Press **⏏** (3 sec) then shift the frequencies and find the quietest band with **←** and **→** or start an automatic scan by pressing **SCAN**.

Ground



Press **⊙** to access the G.B. (ground balance) and press **⏏** 2 seconds to enter into G.B. settings.

When entering the Ground menu (Grab,Tracking,...) DEUS II moves into an all metal mode, unlike DEUS I.

This is practical for listening to the ground and its response during the adjustment, but also gives you a quick insight to the ground at any time, for example a clean zone or identifying a mix of ferrous and non-ferrous targets.

Audio Filter



Press **⊙** choose **AUDIO** then **⏏** (3 sec).

This function is to filter the audio and produce softer and more fluty sound, especially when target is at the detection limit. At depth the signal will be less scratchy. In some situations, Audio Filter can gain a little extra depth.

On the beach: high levels like 2 to 4 can be combined with a low reactivity (0 to 1).

In land: lower levels like 1 or 2 are suggested to help recognize the short iron blips.

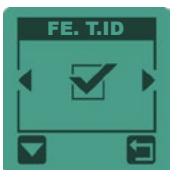
At 0: The Audio Filter is deactivated.

Audio Type

HIGH SQUARE

The High Square sound has a richer and clearer harmonic compared to the standard Square, especially on deep or small targets which are higher and more identifiable. When combined with the Pitch tone, the strong targets near the coil are lower and softened compared to the standard Square tone.

Ferrous T.ID



Press **⊙** choose **SETTINGS** then **⏏** (3 sec).

This function turns on/off the visual target IDs for targets that fall below the discrimination setting, for example when FE TID is set OFF you only see the TIDs above the discrimination adjustment even if you keep the Iron Volume ON.

GENERAL SENSITIVE SENSIFT FAST PARK DEEP HC DEUS MONO GOLD FIELD RELIC DIVING BEACH BEACH SENS

| | | Prg 1 | Prg 2 | Prg 3 | Prg 4 | Prg 5 | Prg 6 | Prg 7 | Prg 8 | Prg 9 | Prg 10 | Prg 11 | Prg 12 |
|-------------------|----------------------------|--------|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MENU | | | | | | | | | | | | | |
| Discr1 | -6.4 to 99 | 10 | 6.8 | 6.8 | 6.8 | 9.0 | 9.0 | 61 | - | - | 8.0 | 8.0 | 8.0 |
| 1 tone | 100 to 993 Hz/ VOL 0 to 10 | 202/7 | 202/7 | -/7 | - | 100/7 | 202/7 | 202/7 | - | - | 150/7 | 202/7 | 202/7 |
| 2 tones | | 717/10 | 518/10 | -/10 | - | 518/10 | 717/10 | 518/10 | - | - | 440/10 | 518/10 | 518/10 |
| 3 tones | | - | 644/10 | -/10 | - | 644/10 | - | 644/10 | - | - | - | 644/10 | 644/10 |
| 4 tones | | - | - | -/10 | - | - | - | - | - | - | - | - | - |
| 5 tones | | - | - | -/10 | - | - | - | - | - | - | - | - | - |
| PITCH | 150 to 603 Hz | - | - | - | 362 | - | - | - | 362 | 362 | - | - | - |
| Full Tones | ON /OFF | - | - | ON | - | - | - | - | - | - | - | - | - |
| B.caps | 0 to 5 | 0 | 0 | 0 | 0 | 2 | 0 | - | - | - | 0 | 0 | 0 |
| Notch 1 | OFF or 00-00 to 99-99 | OFF | 23-24 | 23-24 | 23-24 | 23-35 | OFF | OFF | OFF | OFF | OFF | OFF | OFF |
| Notch 2 | | - | - | - | - | - | - | - | - | - | - | - | - |
| Notch 3 | | - | - | - | - | - | - | - | - | - | - | - | - |
| Discr1 IAR | 0 to 5 | - | - | - | - | - | - | - | 0 | 0 | - | - | - |
| Silencer | 0 to 7 | 2 | 1 | 3 | 2 | 5 | 2 | 2 | - | - | 2 | 2 | 2 |
| Sensitivity | 0 to 99 | 95 | 90 | 90 | 90 | 90 | 93 | 90 | 95 | 95 | 93 | 95 | 95 |
| Salt Sens | 1 to 9 | | | | | | | | | | 9 | 9 | 7 |
| FMF Frequency MAX | 14 to 40 kHz | 40 | 40 | 40 | 40 | 24 | 14 | - | 40 | 24 | 14 | 24 | 40 |
| Mono Frequency | 4 to 45 kHz | - | - | - | - | - | - | 16.5 | - | - | - | - | - |
| Iron Volume | 0 to 10 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| Reactivity | 0 to 5 | 2 | 2.5 | 3 | 3 | 2.5 | 2 | 2.5 | 2 | 1 | 1 | 0 | 0 |
| Audio Response | 0 to 7 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 5 | 5 | 5 | 5 |
| Threshold | 0 to 20 | - | - | - | 0 | - | - | - | 0 | 0 | - | - | - |
| GROUND | | | | | | | | | | | | | |
| Grab / Manual | 60 to 90 | - | - | - | - | - | - | 90 | - | - | - | - | - |
| Tracking | ON/OFF | OFF | | | | | | | | | | | |
| Ground Stability | 1 to 3 | 2 | 2 | 2 | 2 | 3 | 2 | - | - | - | - | - | - |
| Magnetic ground | Accept / Reject | - | - | - | - | - | - | - | - | - | REJECT | REJECT | REJECT |
| Audio Type | PWM/ SQUARE/ HIGH SQR | PWM | PWM | PWM | SQUARE | SQUARE | PWM | PWM | SQUARE | SQUARE | SQUARE | PWM | PWM |
| PINPOINT | ON /OFF | AT OFF | | | | | | | | | | | |
| GO TERR. | PUSH/ AUTO | PUSH | | | | | | | | | | | |
| FREQ SCAN | MANUAL / AUTO | MANUAL | | | | | | | | | | | |



| | | Prg 13 | Prg 14 | Prg 15 | Prg 16 | Prg 17 | Prg 18 | Prg 19 | Prg 20 | Prg 21 | Prg 22 | Prg 23 | Prg 24 |
|-------------------|-------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Source Prg | 1 to 12 | | | | | | | | | | | | |
| MENU | | | | | | | | | | | | | |
| Discr1 | -6.4 to 99 | | | | | | | | | | | | |
| 1 tone | 100 to 993 Hz/ VOL 0 to 10 | | | | | | | | | | | | |
| 2 tones | | | | | | | | | | | | | |
| 3 tones | | | | | | | | | | | | | |
| 4 tones | | | | | | | | | | | | | |
| 5 tones | | | | | | | | | | | | | |
| PITCH | 150 to 603 Hz | | | | | | | | | | | | |
| Full Tones | ON /OFF | | | | | | | | | | | | |
| B.caps | 0 to 5 | | | | | | | | | | | | |
| Notch 1 | OFF or 00-00 to 99-99 | | | | | | | | | | | | |
| Notch 2 | | | | | | | | | | | | | |
| Notch 3 | | | | | | | | | | | | | |
| Discr IAR | 0 to 5 | | | | | | | | | | | | |
| Silencer | 0 to 7 | | | | | | | | | | | | |
| Sensitivity | 0 to 99 | | | | | | | | | | | | |
| Salt Sens | 1 to 9 | | | | | | | | | | | | |
| FMF Frequency MAX | 14 to 40 kHz | | | | | | | | | | | | |
| Mono Frequency | 4 to 45 kHz | | | | | | | | | | | | |
| Iron Volume | 0 to 10 | | | | | | | | | | | | |
| Reactivity | 0 to 5 | | | | | | | | | | | | |
| Audio Response | 0 to 7 | | | | | | | | | | | | |
| Threshold | 0 to 20 | | | | | | | | | | | | |
| GROUND | | | | | | | | | | | | | |
| Grab / Manual | 60 to 90 | | | | | | | | | | | | |
| Tracking | ON/OFF | | | | | | | | | | | | |
| Ground Stability | 1 to 3 | | | | | | | | | | | | |
| Magnetic ground | Accept / Reject | | | | | | | | | | | | |
| AUDIO TYPE | PWM/ SQUARE/ HIGH SQR | | | | | | | | | | | | |
| PINPOINT | ON /OFF | | | | | | | | | | | | |
| GO TERR. | PUSH / AUTO | | | | | | | | | | | | |
| FREQ SCAN | MANUAL / AUTO | | | | | | | | | | | | |