

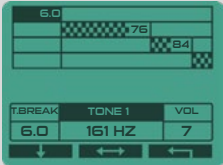
V1.0 of the DEUS II introduces some new features/modifications described below :

Tones - Threshold and tones settings



Press **MENU** > **DISCRI** > **EXPERT**. Choose **2 Tones - 3 Tones - 4 Tones - 5 Tones**. Press **EXPERT** 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. With **↔**, select the **TONE BREAK (T. BREAK)** or the **VOLUME (VOL)** and set it using **+** and **-**.

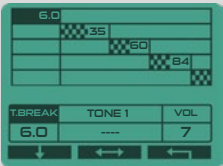
Volume of the low-pitched tone (tone 1) is the same as the Iron Volume.

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 > **EXPERT**.

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

Press **↓** to choose the Tone. With **↔**, select the **TONE BREAK (T. BREAK)** or the **VOLUME (VOL)** and set it 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.

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 **EXPERT** and adjust it with **-** or **+**.

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 **SHIFT** then shift the frequencies and find the quietest band with **-** and **+** or start an automatic scan by pressing **SCAN**.

Audio Filter



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



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												