GROUPS – NEW FUNCTION THAT WILL SECURE YOUR DATA

The GROUP MODE prevents from data download from foreign loggers, which can accidentally appear in the range of your base station in the field. In big projects it helps to reprogramme loggers and better data manage.

Connect the base station to the USB port.

Launch Tracker and choose the COM port.

Check which groups are already supported - go into GROUP MODE

🛃 Tracker version 20181207		- u ×
	d SPECALS STATUS Text sounds. Decoder DOWINLOAD	Dynamic Static Dear Live preview 10/10/10/10/10/10/10/10/10
GPS loger settings	WORK 6s Memore stated delay (NUGHT controls) 1 1 1 5 10 NO GPS SIGNAL Interestry activation NO YES NO AUTO - CREX ONLY Linger ID humber SEND NOW SHOW COLELE Cancelled Cancelled I	Base compatible. CREX BASE SENSORS SETTINGS GROUP MODE OROP OFF ACTIVATION Your groups Diamode WHITE Other logs are value NO Groups are POL
	Figure 1 – Base working in GROUP MODE Your groups Channel: WHITE Other loggers are visible: NO Groups are: POL	

?G - base station with GROUPS (downloads data only from loggers belonging to GROUPS).

? - base station without GROUPS (downloads data from all loggers).

?R – during renaming logger base station "sees" all loggers and downloads their data.

Empty window (live preview) – check Figure 7.



Write or modify names in the text boxes. Use only CAPITAL letters.

Change additional options if needed. Typical selection: *Other loggers visible* = NO, *Radio channel* = WHITE. DON'T change the radio channel – the default is WHITE. The other channels in loggers can be set up on demand, but during production only. When you did not ask for such modification, your loggers will use WHITE channel.

Write name/names of your loggers like URI, PIC, ALL etc. Names are written on the loggers labels:

🔜 Radio Chann	el and selective g	roups names		– 🗆 X
GF	ROUP NAME	S - IF SOME	NOT USED	LEAVE EMPTY
GROUP 1 POL	GROUP 2	GROUP 3	GROUP 4	Other loggers visible NO YES
			YELLOW	
ESC			USE GROUP	S - CLEARS QUEUE

Figure 2 – Name of the GROUPS

Options:

NO – base doesn't 'see' other loggers than POL and downloads data only from loggers named POL

YES – base station 'sees' other loggers, shows their names and voltage, but still doesn't download their data.

To confirm your group - choose button USE GROUPS-CLEAR QUEUE (visible on the picture above)



In new Tracker, released in March 2021 and compatible base station, it is possible to set more GROUPS than four. If needed, write GROUP names in *Additional groups* section and press *Write* and to exit press *USE GROUPS – CLEAR QUEUE*. Be sure that at least one group name was written in one of four main GROUPS boxes.

🖶 Radio channel and	group names sele	ction. 4	⊳ ⊡	– 0 ×
GROU	JP NAMES - I	IF SOME NO	T USED L	EAVE EMPTY
	ROUP 2 GF	ROUP 3 GF	ROUP 4	Other loggers visible NO YES
Radio channel][
		BLUE () YELLO	W	
ESC		L	JSE GROUPS	- CLEARS QUEUE
GROUP 9	GROUP 6	GROUP 11	GROUP	WRITE
	GROUP 18			
				CLEAR ALL

Extended GROUP MODE window in Tracker from March 2021:

When *Additional groups* have been not used, to save settings just press *USE GROUPS – CLEAR QUEUE* and accept the warning message:

Are you sure ???		ē	×
Any commands waiting in the queue have changes in GROUP MODE settings.	been erased aft	er applying	
	ОК	Cancel	



To remove GROUPS enter **EKO** in each window:

Only after fourfold entering EKO - button GROUP MODE OFF will appear - please use it.

🔡 Radio Channe	l and selective gro	oups names		—		×
GR		- IF SOME	NOT USED L	EAVE E	MPTY	
GROUP 1	GROUP 2	GROUP 3	GROUP 4	Other log NO	gers visible	e
EKO	EKO	EKO	EKO	⊖ YES		
Radio channel						
			YELLOW			
ESC	GROUP MODE	OFF	USE GROUPS	- CLEARS O	QUEUE	

Figure 3. Turning off GROUPS

After that action button **GROUP MODE OFF** will appear:

🛃 Tracker version 20181207			
COM45 Connect COM45 V Disconnect S	SPECIALS STATUS Test sounds Decoder	DOWNLOAD	
Dynamic Static Clear			Dynamic Static Clear Live preview
WORKS with ALL loggers			WORKS with ALL loggers
CHANNEL WHITE >0560			CHANNEL WHITE >0560
ALL SETTINGS DEACTIVATED			ALL SETTINGS DEACTIVATED
WORKS with ALL loggers			WORKS with ALL loggers
CHANNEL WHITE	Base		CHANNEL WHITE??
1 2 3 5 10 0 15 20 30 60 240 Ra Accuracy ECO MED HIGH Other 20 OK GPS controlLED BY MOVEMENTS - CREX ONLY GPS GPS Log 1 60/1 30/2 15/4 4/15 Log	Islon Istart delay [hours]/ LIGHT control 12 24 48 or first dive LIGHT dio activity interval [mnixtes] 1 5 10 S work time [imit [seconds] 60 90 NO GPS SIGNAL generatopped in base range YES NO	Work hours (UTC)	Base compatible.
Recorded in logs Tel Speed +Altitude +Accuracy +Altitude+Accuracy	emetry activation	NEW SETTINGS	
Diving sensor settings	YES NO AUTO - CREX ONLY	SEND TO SEND NOW	CREX BASE MODE SENSORS SETTINGS
Diving sensor sensitivity	Canceled i Turtle No reaction i Prozen i	CLEAR QUEUE	GROUP MODE DROP OFF ACTIVATION

Figure 4. Window informing that GROUPS have been turned off - base station "sees" all loggers

NOTE

In case you don't know the names of your loggers, input any name in **GROUP MODE** menu and accept. Your loggers will be visible but will be not able to download commands or upload data, but it is enough to check the names and complete the **GROUP MODE**.

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So far your base station worked without GROUP MODE, but with the newest software – GROUPS have to be used. Therefore if you plug in base station (without groups) to your computer, in LIVE PREVIEW only empty window will be seen.

😸 Tracker version 20181207				
COM40 Connect COM40 V Disconnect	SPECIALS STATUS Test sounds Decoder	DOWNLOAD		
Dynamic Static Clear			Dynamic Stati	c Clear Live preview
	Base			
	WORK 17s			
GPS logger settings	WORK 173			
-Interval [minutes]	Mission start delay [hours]/LIGHT controll	Work hours [UTC]		
1 2 3 5 10	0 12 24 48 or first dive	ON OFF		
15 20 30 60 240	UGHT			
15 20 30 60 240	Radio activity interval [minutes]			
Accuracy	1 5 10	OK		
ECO MED HIGH Other 20 OK				
	GPS work time limit [seconds]	Logger ID number		
OR GPS CONTROLLED BY MOVEMENTS - CREX ONLY	60 90 NO GPS SIGNAL	~		
GPS burst mode: GPS positions/interval [s]	Logger stopped in base range			
1 60/1 30/2 15/4 4/15	YES NO		Base compa	atible.
Recorded in logs				
Speed +Atitude +Accuracy +Atitude+Accuracy	Telemetry activation	NEW SETTINGS		
opeca manage mechanics mechanics	YES NO AUTO - CREX ONLY	SEND TO SEND NOW		
Diving sensor settings			CREX BASE MODE	SENSORS SETTINGS
OFF ON	GPS searching after immersion	SHOW QUEUE		
Diving sensor sensitivity	Cancelled	CLEAR QUEUE	GROUP MODE	DROP OFF ACTIVATION
Low Medium High	Turtle No reaction i			
Default	Frozen i			

Figure 5. Empty window - base requires change of the settings

To continue work with base station - GROUPS have to be set.

Notice!

If you remove GROUPS (*Figure 3*) and reconnect base station - you will see empty **LIVE PREVIEW** window again (*Figure 5*).

Remember!

- 1. Check version of base station and TRACKER.
- 2. Check if **EXTENSION CABLE** for base station is plugged properly.
- 3. Each use of base station requires GROUPS selection.
- 4. To work in the field GROUPS have to be set.