

20250814更新

# 單音束測深儀 (EA640) 參數調整

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# 常見功能介紹



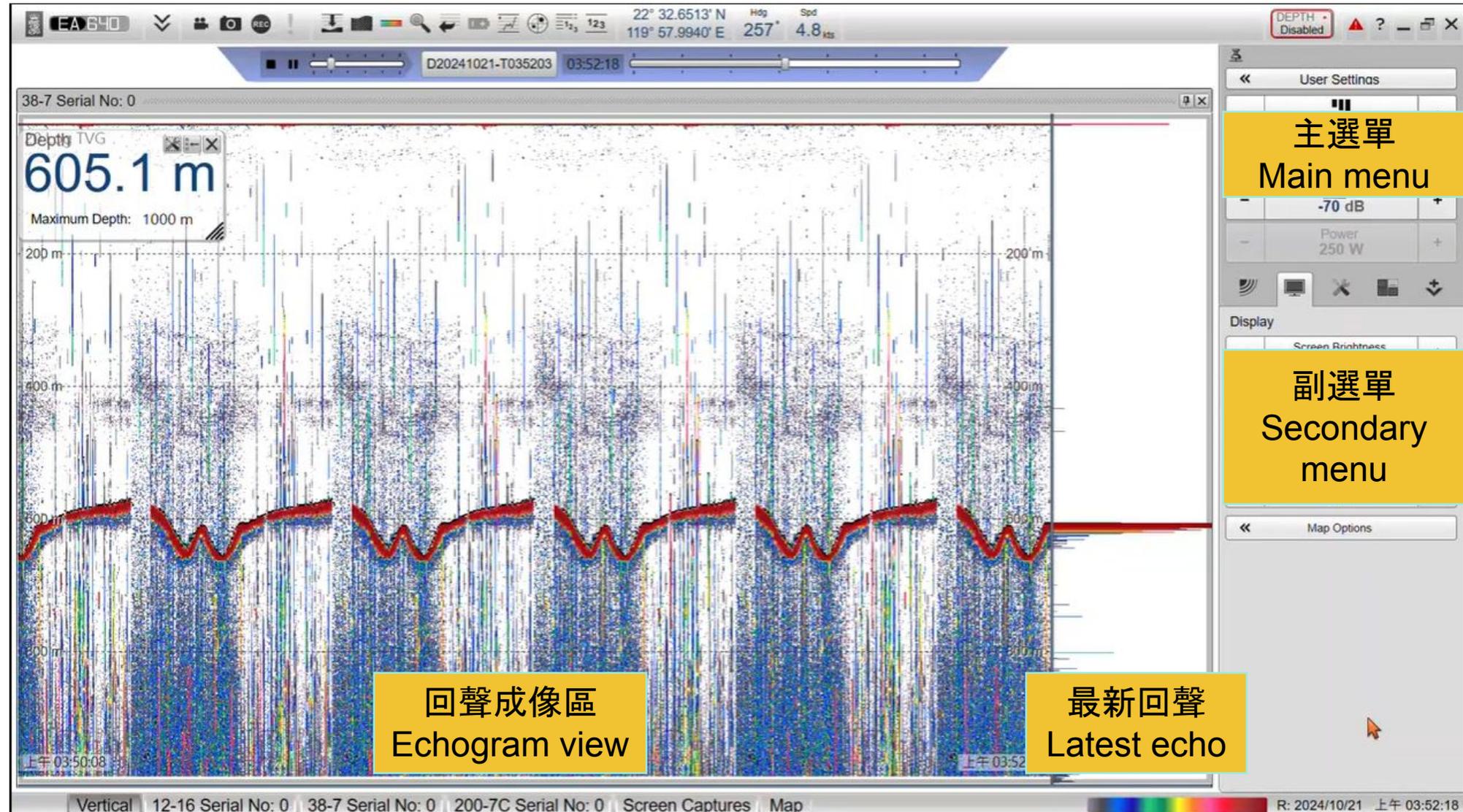
**WARNING**

調整參數前先知會探測!!!!!!!!!!!!!!!!!!!!!!

Tell technician before changing  
any parameter!!!!!!!!!!



# 介面介紹 Interface introduction



# 常用功能介紹 Function introduction

The screenshot shows a software interface for depth measurement and data recording. The main display area shows a depth measurement of 605.1 m and a depth profile graph. The right sidebar contains various settings and operation controls. Red callout boxes with arrows point to specific settings in the interface.

**海床偵測設定 Bottom detect** (Bottom detect setting)

**資料記錄範圍Range** (Data recording range)

**開始記錄深度Start Range** (Start recording depth)

**展示區訊號強度Gain** (Display area signal strength)

**聲納開關Ping on/off** (Sonar on/off)

**資料紀錄開關Data record on/off** (Data recording on/off)

Additional visible settings in the sidebar include: User Settings (1000.0 m, 0.0 m, -70 dB, Power 250 W), Operation (Normal), Ping On, Ping Interval 1000 ms, Record RAW Off, and Record Processed Off.

# 主選單 Main menu

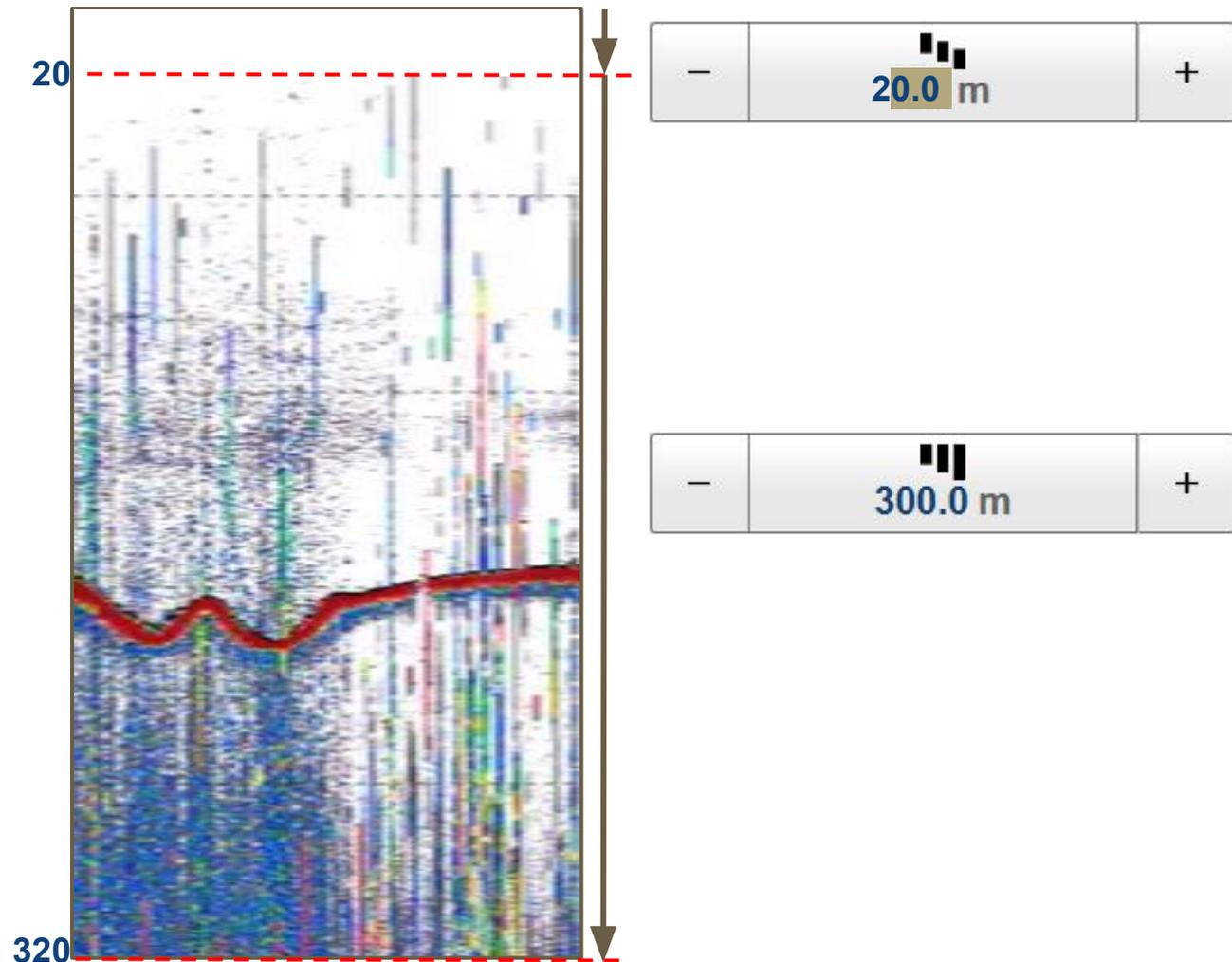
User Settings		
-	 Auto	+
-	 0.0 m	+
-	 -50 dB	+
-	Power 500 W	+
-	Pulse Duration 0.256 ms	+

資料記錄範圍

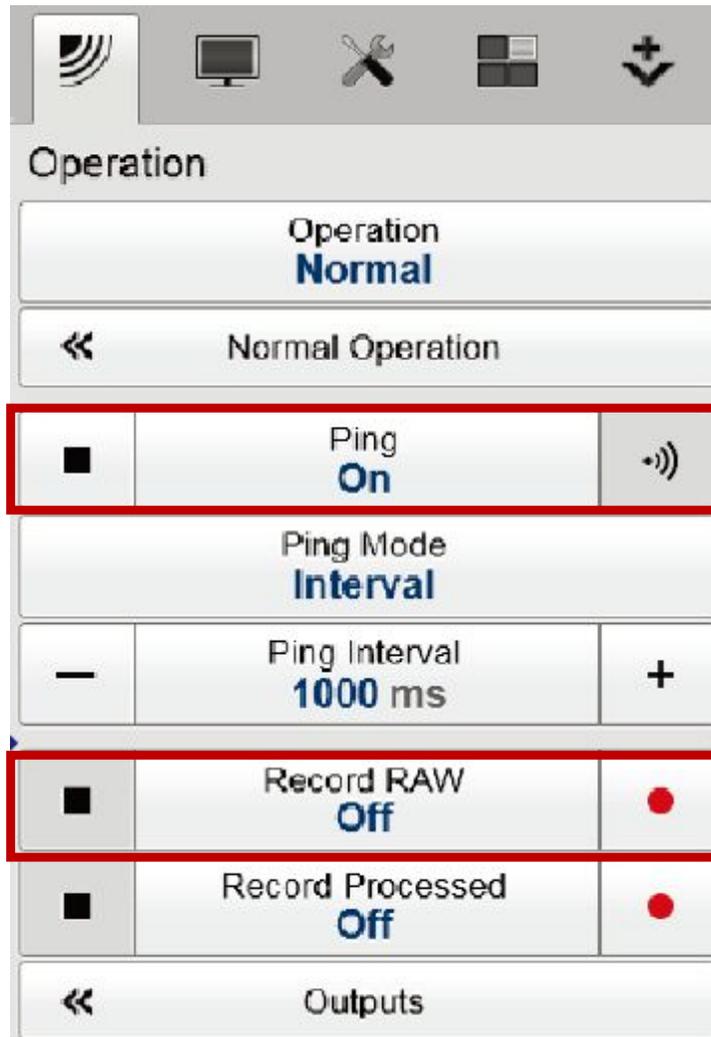
開始記錄深度

展示區訊號強度

舉例：



# 副選單 Secondary menu



聲納開關

資料紀錄開關

# 海床偵測設定 Bottom detect

Bottom Detection

Minimum Depth

0 m  
12500 m

2.0

Maximum Depth

0 m  
12500 m

1000

Bottom Backstep -50

Apply to All Channels

Detect Second Layer Bottom

First level depth reference WBT 741166-1 Atl.6028

Gain below reference depth [dB] 2

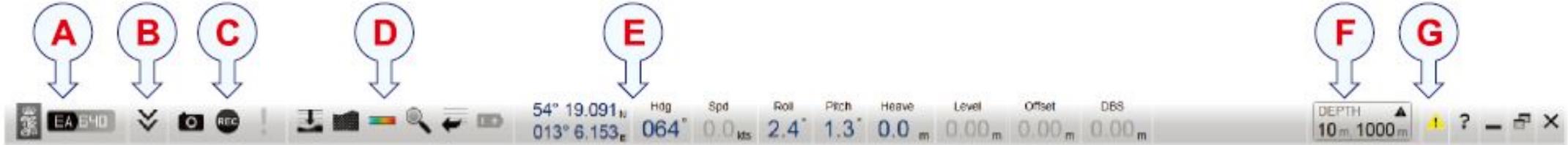
偵測的最小深度

偵測的最大深度

# 其餘功能介紹

(如需使用請知會探測)

# 上半部 Upper part



## A Logo and product name

This information identifies the brand and the product.

## B Menu button

Select this button to hide or show the menu.

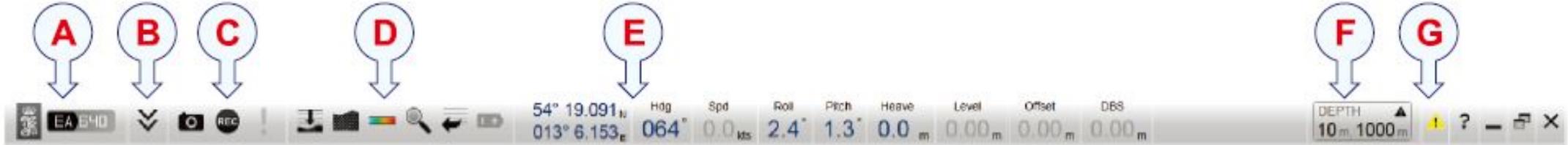
## C Screen Capture / Event / Record

Select Screen Capture to make a copy of the current EA640 presentation. The Record indicator shows you when recording is active.

## D Information panes

Each information pane is a separate window with its own title bar and...

# 上半部 Upper part



## E Navigational information

These are not buttons, but separate read-outs that show useful information related to the vessel.

## F Depth Alarm

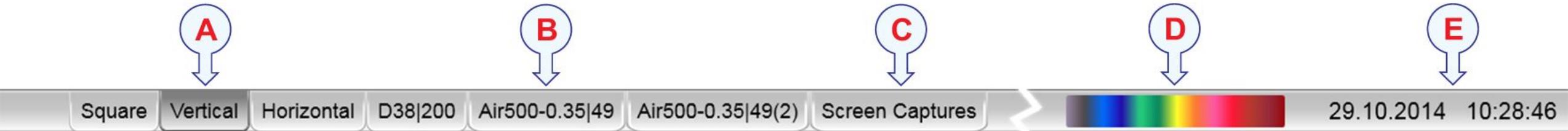
You can define alarm limits for minimum and maximum depths. If the current depth

changes to exceed the limits you have chosen, the alarm is triggered.

## G Messages button

By flashing, the Messages button shows you that the EA640 has issued a message.

# 下半部 Upper part



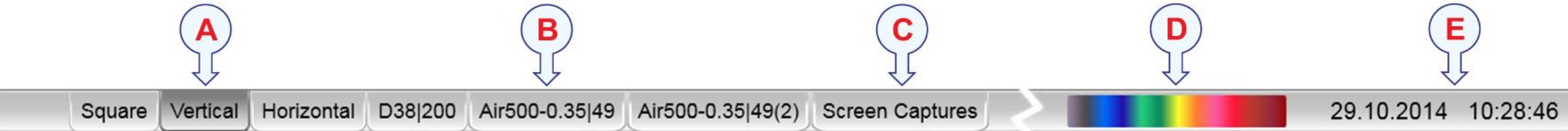
## A Presentation modes

Three presentation modes are available when you wish to see all the echogram channels simultaneously in the EA640 presentation.

## B Selecting individual echogram channels

Each channel is shown with a dedicated tab. The channel is identified with the name of the transducer in use.

# 下半部 Upper part



## C Screen Captures

The Screen Captures tab on the bottom bar opens a viewer that allows you to open Screen Capture.

## D Colour Scale

The colour scale reflects the colour choice you have made for the echograms. To change the colour scale, use the Colour Setup dialog box on the Display menu.

## E Date and time

The date and time for the last ping.