

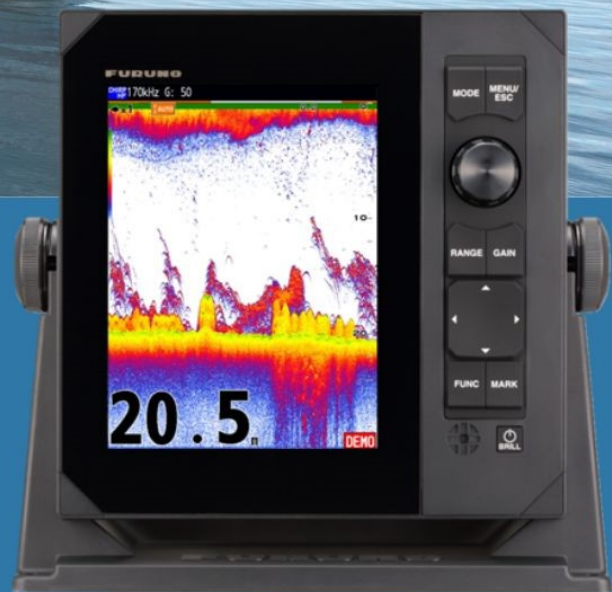
SALES BULLETIN

Number of Pages: 11

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Model:
FCV-600



Model:
FCV-800

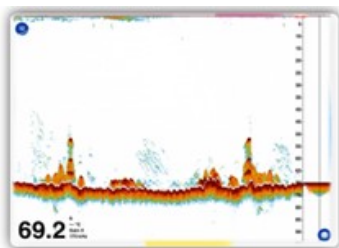
Remote Display by Apps

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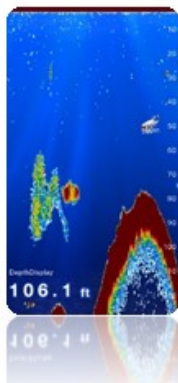
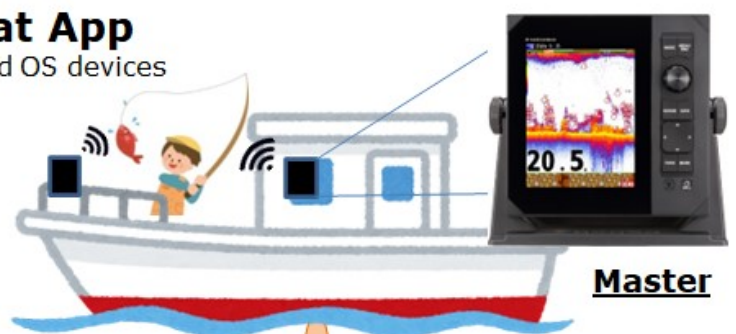
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1. Remote Display by Apps

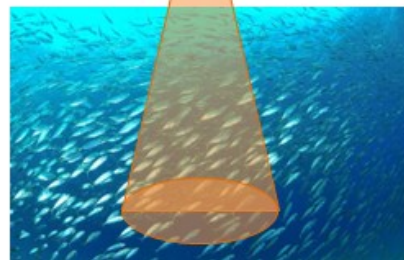
When fishing away from the helm position, you will almost certainly find it challenging to monitor the Fish Finder screen at the helm and unknowingly navigate areas without any fish. The FCV-600 and FCV-800 with a built-in Wireless LAN allow for the connection of a second display, such as a second FCV-600 or FCV-800 display, an iPhone/iPad with the TZ iBoat app, or Android devices with the NavNet Viewer app. This enables you to monitor Fish Finder echoes closely while fishing around the bow, ensuring you stay informed about the underwater situation. This document highlights TZ iBoat and NavNet Viewer apps for available functions as well as tips on networking.





TZ iBoat App
for iOS/iPad OS devices



NavNet Viewer App
for Android devices



Overview of Apps

Apps	NavNet Viewer	TZ iBoat
Icon		
Compatible OS	Android (1)	iOS/iPadOS
Supported OS Version	4.0.3 and later	14.2 and later
App Version	1.0.12.8 and later	3.0.9 and later
Release	Jan. 2023	Mar. 2024
Qty of Connectable Devices	Max. 5 devices (2)	Max. 1 device (2)
Price	Free of charge	Download: Free of charge Fish Finder Function: Charge
Functions		
Fish Finder Display	Available	Available
Operation & Settings (3)	Limited	Available
ACCU-FISH™	Available	Available
Bottom Discrimination	N/A	Available
History (Scroll Back)	Available	Available (4)
Point Entry	N/A	Available
Screen Orientation	Portrait & Limited Landscape (5)	Portrait & Landscape

Notes:

- (1) NavNet Viewer app for iOS/iPad OS devices does not support the network with the FCV-600/800.
- (2) See [Section 5.1](#) for details on the number of connectable devices and their combination.
- (3) See [Section 3.2](#) for TZ iBoat app and [Section 4.2](#) for NavNet Viewer app for available operation and settings.
- (4) Points entered on TZ iBoat app will not be transferred to the FCV-600/800. Points entered on the FCV-600/800 will not be transferred to TZ iBoat app.
- (5) Echoes will be digitally enlarged on Landscape orientation with NavNet Viewer app.

2. Getting Started

Option 1 – Set up the FCV-600 or FCV-800 as an access point for smart devices to be used.

Option 2 – Connect both FCV-600/800 and smart devices to a common access point.

Option 1		Option 2	
(1) Access [Menu] – [Network] – [Wireless LAN].			
(2) Set [Wireless LAN Setting] as follows. Wireless LAN: ON Mode: Master Wireless Mode: AP Mode		(2) Set [Wireless LAN Setting] as follows. Wireless LAN: ON Mode: Master Wireless LAN: Client Mode	
(3) [Use Sub Sets] On: Settings made on the TZ iBoat app will be reflected on the connected FCV-600/800. Off: Settings made on the TZ iBoat app will not be reflected on the connected FCV-600/800. (See Section 3.2 for available settings on TZ iBoat app.)			
(4) [Local Network Setting] Check the password of the master FCV-600/800 and enter it to a wireless device. Note that [Network Name] and [Password] can be edited by users.		(4) [Connect Network Setting] Select one of the access points to be connected. Connect a smart device to the same access point.	
(5) [Wireless LAN Output] Select the data type to be output from the FCV-600/800 to an iOS/iPadOS device.			
(6) Check that the FCV-600/800 screen shows a transmitter icon.		(6) Check that the FCV-600/800 screen shows a wireless icon.	

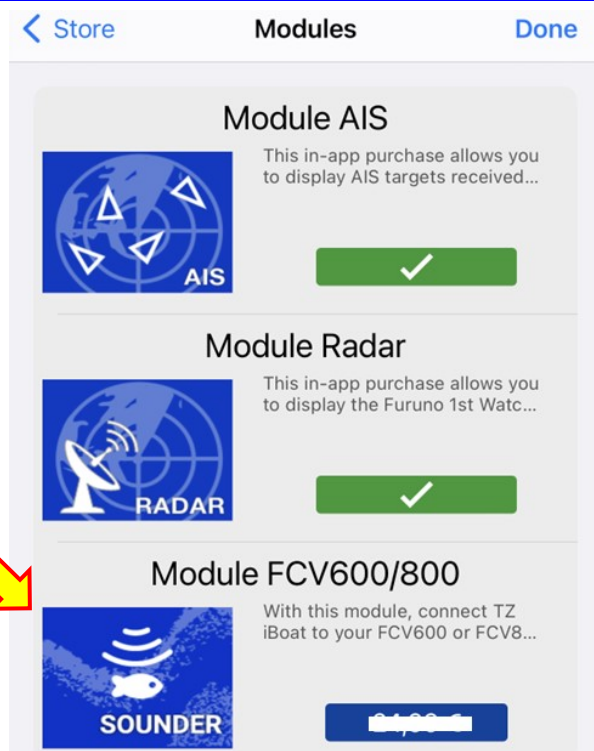
3. TZ iBoat App



3.1. Fish Finder Module

The TZ iBoat app for iOS/iPad OS devices has been utilized for an advanced navigation tool and is additionally updated for FCV-600/800 connectivity.

The Fish Finder module can be purchased from within the app: Access menu (TZ icon) – [Store] – [Modules] and select [Module FCV600/800].



After purchase, the [Module FCV600/800] will show [✓], as well as the Fish icon available on the plotter screen.

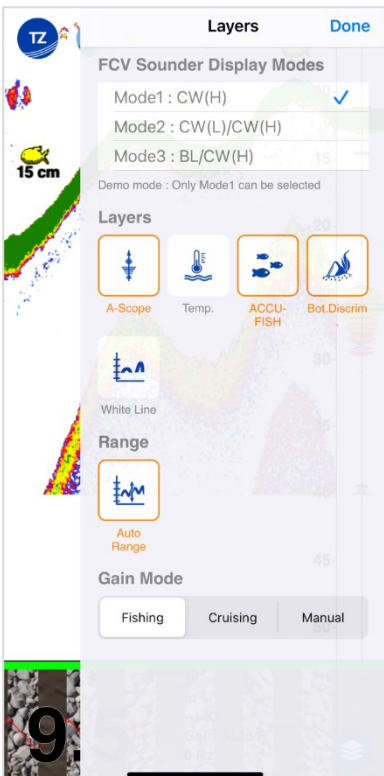
3.2. Available Functions

Highlight

- ✚ Clear images from the FCV-600/800 are visible on iPhone/iPad.
- ✚ ACCU-FISH™ and Bottom Discrimination functions are supported. (Compatible transducers are required on the FCV-600/800.)
- ✚ Operation and settings are available on the TZ iBoat app.
- ✚ Points can be entered on the Fish Finder screen of TZ iBoat app. (These points appear on the chart screen of TZ iBoat app.)
- ✚ Both portrait and landscape screen orientations are supported. (Landscape mode shows a longer screen history at a glance.)
- ✚ The Fish Finder screen can be scrolled back to review the past echoes.

Fish Finder Menu

The following table shows available menu items on the TZ iBoat app. Some categories are synchronized with the FCV-600/800 and the others are independent.

TZ iBoat App Menu	FCV-600/800		Screenshots
	[Use Sub Sets] for individual settings		
	On	Off	
Layers			 <p><u>E.g., Layers</u></p>
Display Modes	(Sync.)	N/A	
Layers			
A-Scope	✓	✓	
Temp.	✓	✓	
ACCU-FISH	(Sync.)	N/A	
Bottom Discrimination	(Sync.)	N/A	
White Edge	✓	✓	
Range	(Sync.)	N/A	
Gain Mode	(Sync.)	N/A	
Manual Gain Adjustment	✓	✓	
Menu: TZ icon – [Settings] – [Fish Finder]			
Day Background Color	✓	✓	
Night Background Color	✓	✓	
Echo Color Levels	✓	✓	
Color Erase	✓	✓	
A-Scope Peak Hold	✓	✓	
Shift	(Sync.)	N/A	
Interference Rejection	(Sync.)	N/A	
Clutter (for manual gain only)	✓	✓	
Auto Gain Offset	✓	✓	
ACCU-FISH Icon	✓	✓	

✓ : Individual settings available

(Sync.) : Settings synchronized with FCV-600/800 (no individual settings)

N/A : No settings available on TZ iBoat app

3.3. Screen Gallery

General

(iPhone)

Left:

Single Frequency

Color: White

Color Expand: ON

Middle:

Single Frequency

Color: Green

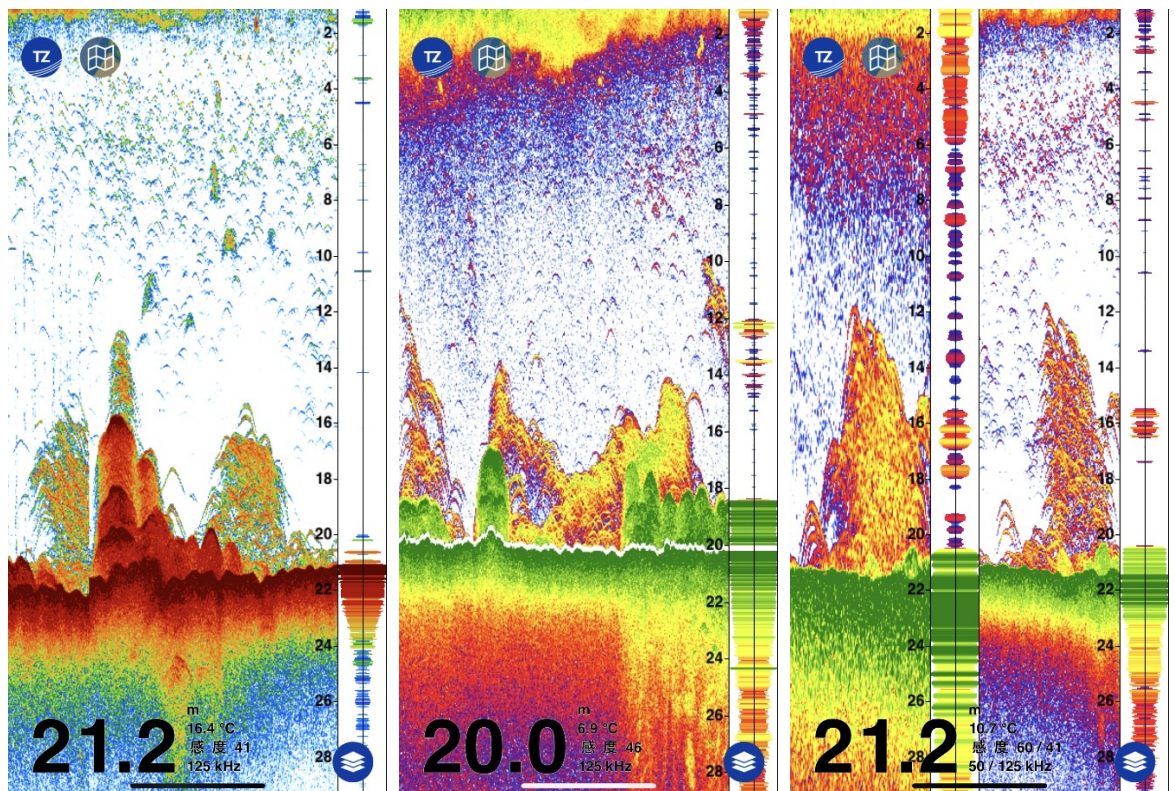
Color Expand: ON

Right:

Dual Frequency

Color: Green

Color Expand: ON



ACCU-FISH™ and Bottom Discrimination

(iPhone)

Left:

Single Frequency

Color: White

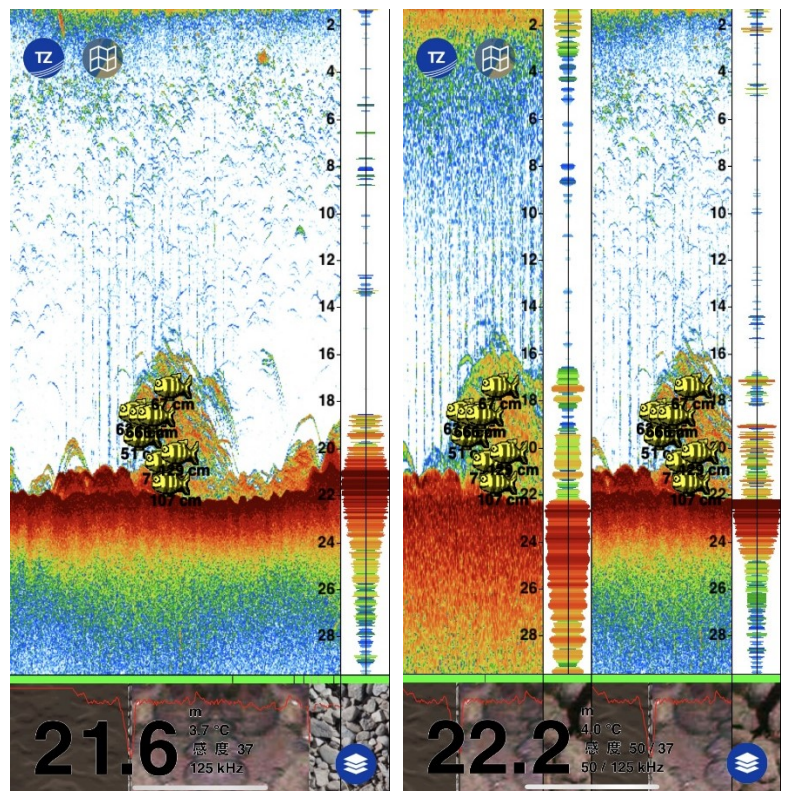
Color Expand: ON

Right:

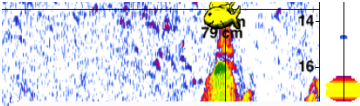
Dual Frequency

Color: White

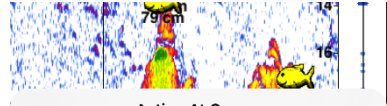
Color Expand: ON



Left:
 ACCU-FISH™ icon tapped: Fish depth and size shown on a data box.



ACCU-FISH	
Fish Depth	13.4 m
Range	0 m
TTG	0'00s
Fish Size	41 cm
Sand	5 %
Mud	0 %
Gravel	82 %
Rock	13 %
Confidence	Good



Action At Cursor	
TTG	0'00s
Sand	0 %
Mud	0 %
Gravel	87 %
Rock	13 %
Confidence	Good

[New Mark](#)
[Fish-It](#)

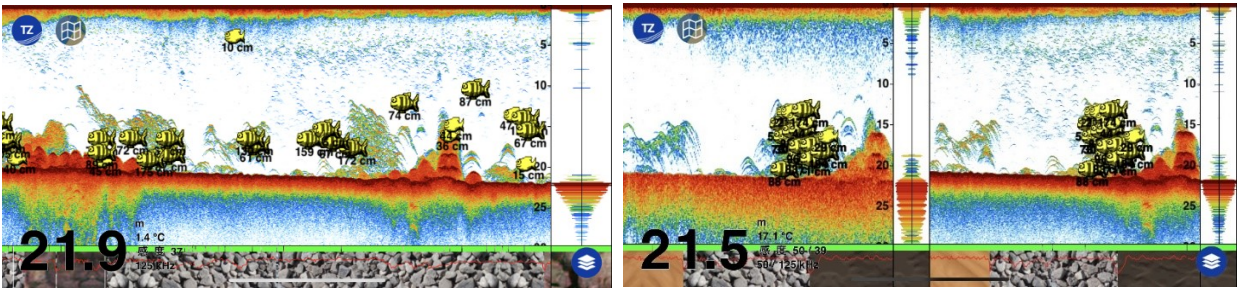
Right:
 Screen tapped: Cursor information including Bottom Discrimination data shown on a data box.

Landscape

(iPhone)

Left: Single

Right: Dual

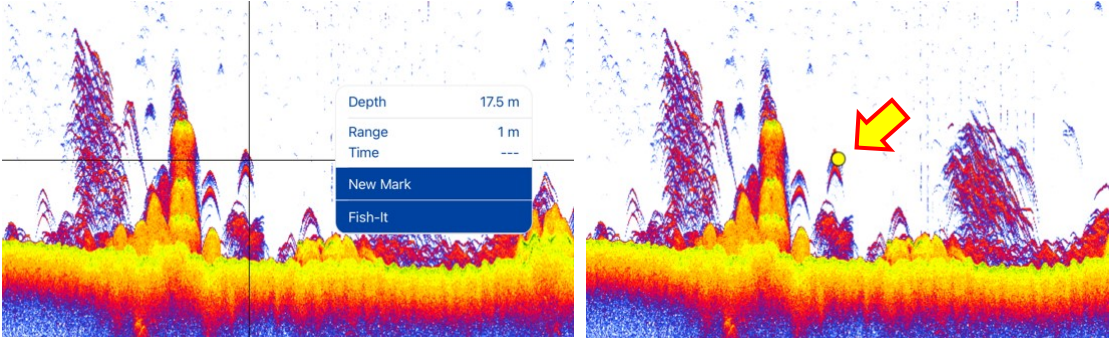


Point Entry

(iPad)

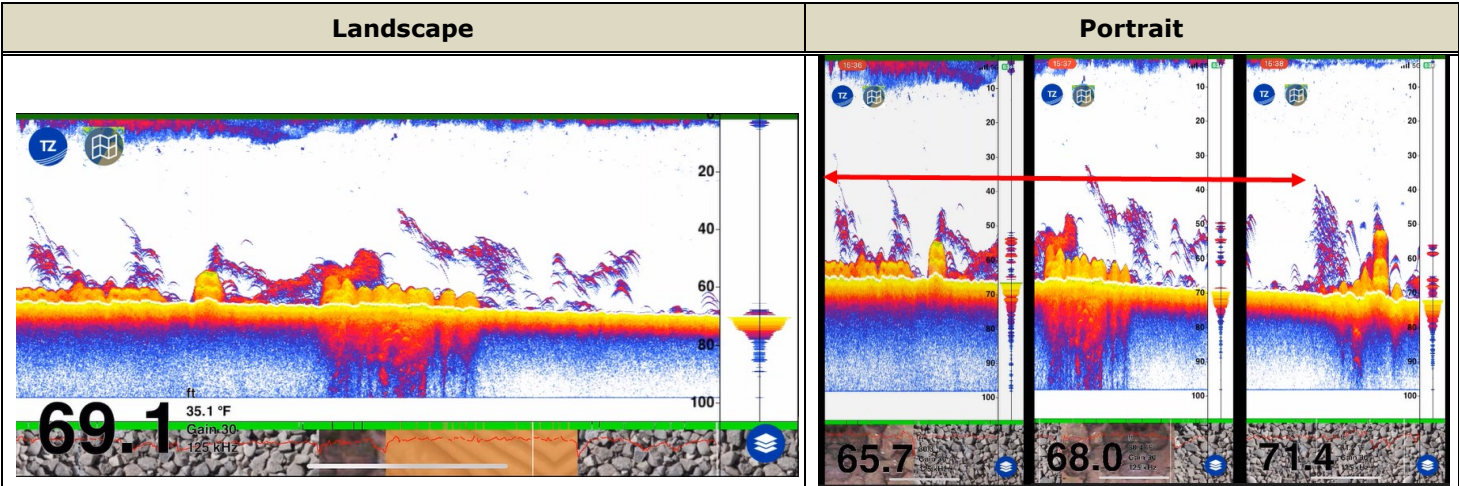
Left: Screen tapped

Right: Point entered



Tips: Landscape vs. Portrait

The landscape orientation offers a long history of echoes on one screen, approx. twice the portrait screen history.



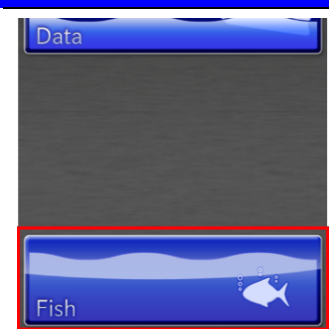
Example from iPhone: The left screen shows a long history of echoes in Single Frequency mode on one screen. On the other hand, the photos at right consist of three (3) screenshots on portrait orientation captured at the same location. You can see that the content of approx. two (2) screens from Portrait is covered by one screen from Landscape orientation.

4. NavNet Viewer App



4.1. Fish Finder Module

NavNet Viewer app has been utilized since NavNet TZtouch series MFDs were launched. With app version 1.0.12.8 and later, it supports FCV-600/800 connectivity.



Top screen – Fish tab to tap

4.2. Available Functions

Highlight

- ✚ Echoes from the FCV-600/800 are visible on Android devices.
- ✚ ACCU-FISH™ icons are available on the screen when ACCU-FISH™ is turned on with the FCV-600/800.
- ✚ Gain and Clutter can be adjusted when the FCV-600/800 is set to manual gain mode.
- ✚ The Fish Finder screen can be scrolled back to review the past echoes.

Fish Finder Menu

The following table shows available functions on NavNet Viewer app with the FCV-600/800.

Functions on NavNet Viewer App	FCV-600/800 [Use Sub Sets]	
	On	Off
Gain Adjustment (Manual Gain Mode only)	✓	✓
Clutter (Manual Gain Mode only)	✓	✓
Auto Gain Offset	✓	✓

✓ : Individual settings available

Notes:

- (1) Range, Gain Modes, and ACCU-FISH™ settings are synchronized with the FCV-600/800, i.e., not adjustable on NavNet Viewer app.
- (2) Bottom Discrimination is **NOT** supported.
- (3) NavNet Viewer app supports single frequency screen mode only, i.e., NO dual screen mode.
 - ✚ When the FCV-600/800 is in dual frequency mode, HF **or** MF echoes are shown on NavNet Viewer app.
 - ✚ When the FCV-600/800 is in zoom mode, the right-side screen for full range echoes is shown on NavNet Viewer app.

4.3. Screen Gallery

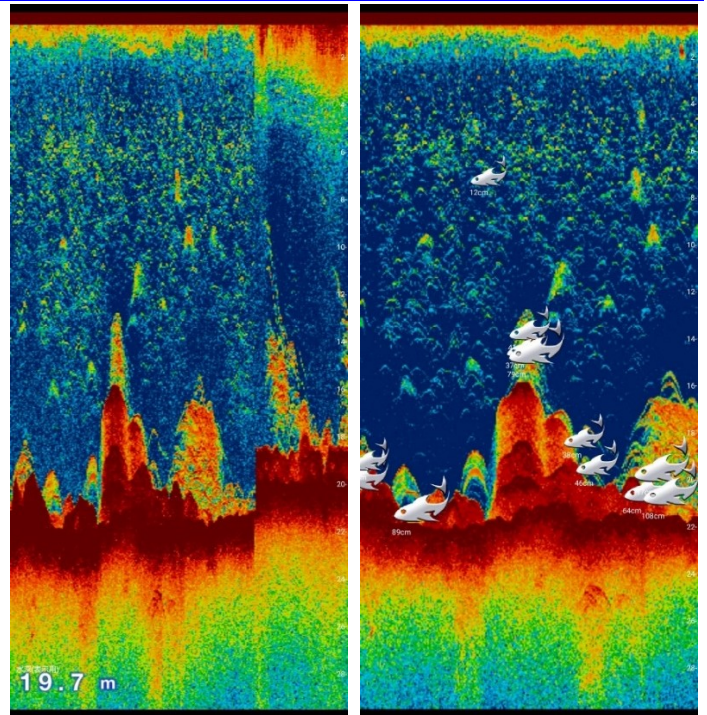
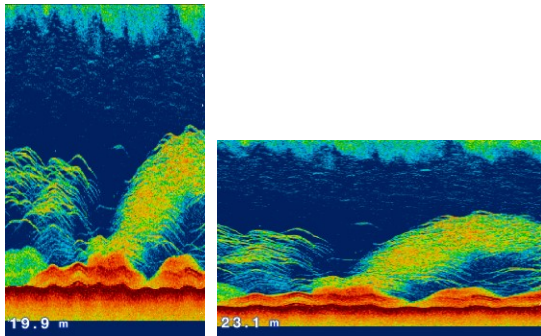
General

Left: Fish Finder echoes only

Right: ACCU-FISH™ icons overlay

Note:

In landscape orientation, echoes will be enlarged in width.

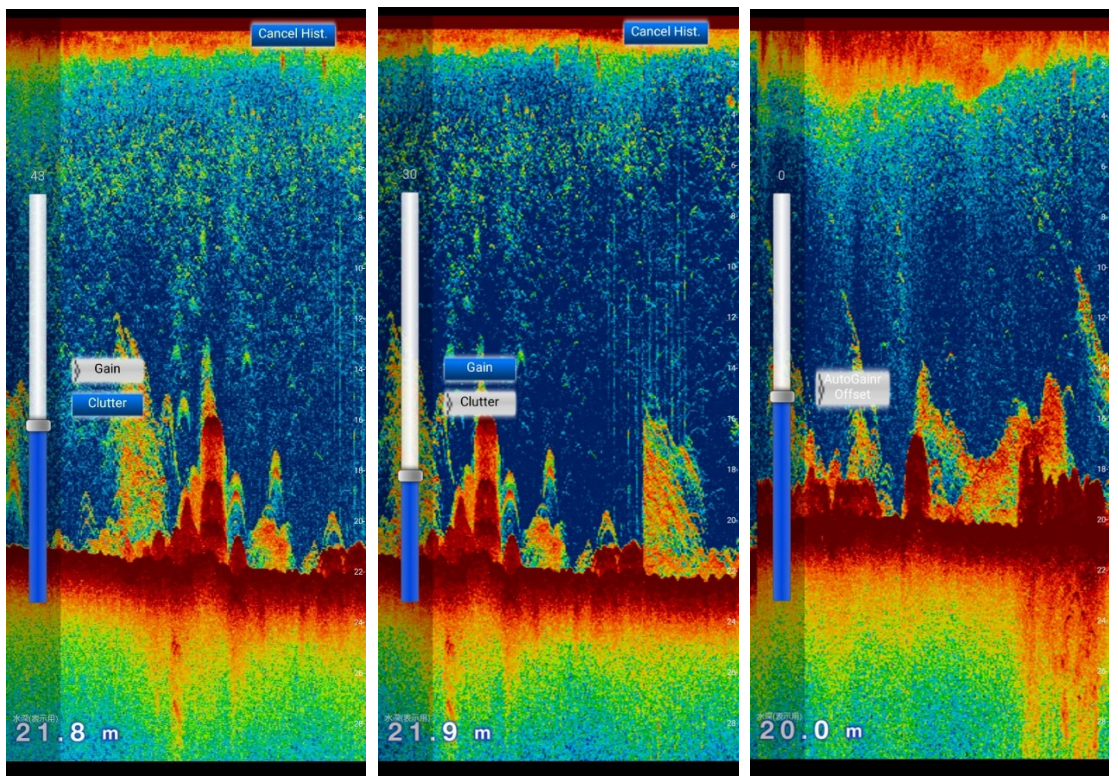


Adjustment

Left: Gain

Middle: Clutter

Right: Auto Gain Offset



5. Notes

5.1. Number of Devices

- (1) **A maximum of one (1) SUB display can be connected.**

With the SUB FCV-600 or FCV-800 connected to the Master unit, an iOS/iPadOS device **CANNOT** be added for the TZ iBoat app: Disconnect the SUB FCV-600 or FCV-800 from the Wireless LAN network to use the TZ iBoat app.



- (2) **Both SUB FCV-600 or FCV-800 and Android devices** can be connected simultaneously for the NavNet Viewer app.

In the same procedure, **both 1× iOS/iPadOS for TZ iBoat app and Android devices** can be connected simultaneously.



5.2. Recommended Software Version of FCV-600 and FCV-800

When utilizing the TZ iBoat app and NavNet Viewer app, be sure to use FCV-600 and FCV-800 software v2.05 and later.

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