

Feederland EP 2.70

User manual

All user manuals for Cast Trek EP and compatible devices will be available at www.casttrek.com. Since user manual content can vary between software versions, please use one that applies to software version of your device.

What's in the box

- Feederland EP 2.70
- A bag
- A bag holder that is attached to the bag string
- EP mount with BSF 3/8-20 thread compatible to standard screw mounts one can find on fishing gear

What EP stands for?

We were not that creative when it comes to names, so EP stands for 'endpoint'. Endpoint is device that is connected to internet or used offline and its mounted on angler's seat box using EP mount or its just stands on tray, but close enough that you can press buttons or turn knobs on it.

What's not in the box and you need it

- Power Bank that can provide 5v, so any Power Bank that you can use to recharge phone or power some other devices
- Cast Trek application for Android or iOS. You can download it from Google Play Store or Apple App Store.

IMPORTANT

- IMPORTANT: Power Banks come in many different shapes and forms. You do not need most powerful ones to run Feederland

EP for entire weekend, even those with 2700 mAh or 5400 mAh will give you enough usage time. What you need to know that modern Power Bank has internal protection to prevent draining small current over long period of time, and it will shut down after 30-60 seconds. Cast Trek EP and compatible devices has a built-in workaround for this, and it is already enabled on the device.

- MORE IMPORTANT: This version of the device needs 5v to operate properly. So if you decide to build your own power supply (and some will do that), make sure you do not provide more than 5.7v to EP.
- EXTREMELY IMPORTANT: Fishing is not an "nice dry environment and nice clean hands" sport. We did our best to protect device from dirt and some splashing water, but you should keep in mind that device is not designed to be submerged, washed or used as mixing tool for ground bait. You can always clean it with damp cloth, and, like any other electronic device, it should be stored in dry place when not in use.

Why do I need the Cast Trek app?

Feederland EP can be used as standalone, offline device, using it as timer, keepnet tracker and current session stats provider. Once device is OFF all data is erased.

If you connect your EP to internet via WiFi and connect Cast Trek app with your EP, you can create teams and by sharing those with your teammates and friends, you can have real time session statistics update during competition. App is

completely free, and once installed and configured can only be accessible from device you used to create your account. Currently, app is available only to Cast Trek EP (or compatible device) owners as EP details are needed to create account. We will come back to the app into more details a bit later.

Let's look at the device

You probably noticed protective sticker with Feederland EP label on it. This is not to be removed from the device, it protects underlying elements from environment. Underneath it, there is a green display, 2 buttons under labels 1 and 2 and rotary switch with protective cap on top of label. You will notice that you can rotate it left and right, but you can also press it. So, let's call these B1, B2 and B3.

You can also see some labels around display and on above B1, B2 and B3. Those will help you identify text on screen during session and what each button does.

On the side, there is not that much, just a USB cable that goes into the device.

On the bottom, you will find 4 rubber legs that are handy if you are putting device on the side tray. In the center, there is a part of the locking system that is used for mounting EP device on EP mount. You should also see 2 silicone rubber plugs. Round one is covering display contrast setting and Not-That-Round one is covering Power Bank setting. Both will be explained in detail a bit later, but for now, both settings are done during initial testing of the device in Cast Trek workshop, and you could end up never removing those if you are happy with what we did initially.

You noticed probably there is no ON/OFF switch on the device. When you plug device into power source it will be ON, if you unplug it, it will be OFF.

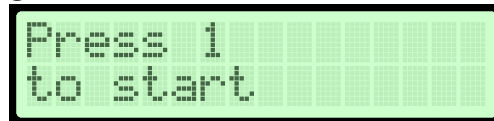
And that's it really. Let's plug it in and see what we have.

Let's turn it ON

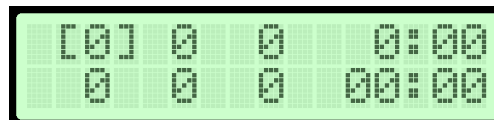
When you plug in power source, display will lit during boot up and after 2 seconds you should see something like this:



Number on far right is counter and it will go to 0. For now, let's wait for countdown.



So, what happened here. Out of the box, device will give you 6 seconds to enter the main menu and if you decide to just user fish counter, timer and keepnets without any change to configuration and without connecting to internet, that's the way to go. Once you press B1, your session will start, and you will see your session screen.



On the left side of the screen, you have 6 keepnets, If you turn B3, marked keepnet will change. That way you can either mark your keepnet for the next fish to go in, or you can use it to classify your fish based on size, it depends how you like to do it. Important thing to remember, when you press B2 when you catch a fish, that catch will go into marked keepnet.

On right side of the screen you have two timers, for total time and for cast time. Total time is just hours and minutes, while cast time is minutes and seconds.

CAST and RETREIVE (NO FISH)

For CAST and RETREIVE you will use B1. When you press B1 for CAST your cast timer will start, when you press B1 again you cast timer will stop. That means that you cast, waited some time, retrieved your line and you haven't caught a fish.

FISH

When you press B2, it means you got a fish and it's in the keepnet.

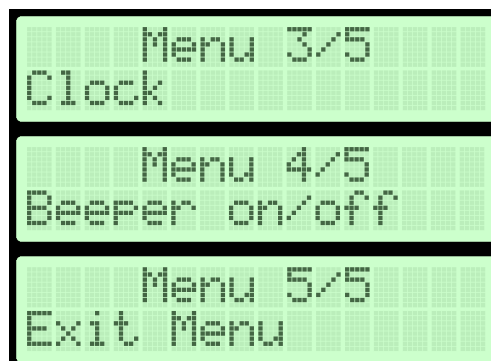
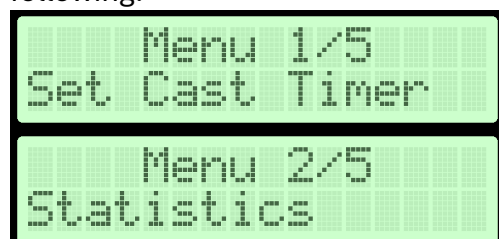
What's to remember here: its not mandatory to use CAST and RETREIVE, you can just mark your fish. But keep in mind that some statistics will not be available if you just mark your fish. Nevertheless, sometimes its enough to do just that and you do not care about statistics and current streaks of having fish or not, therefore we have left that as option to choose.

IMPORTANT: At current software version we do not have option to correct errors you made during session, like you forgot to count in some fish etc, but we will provide update in near future to help users with that. We will talk more about software updates later.

NOTE: You noticed that currently you mark events CAST, RETREIVE (NO FISH) and FISH. We currently do not support interim events, like BITE, HOOKED, DISTANCE CHANGE, FEEDER CHANGE etc. that would give you possibility to further analyze your match, how much time you spent playing the fish, how much you lost, etc. We have tested versions with those interim events enabled and concluded that sometimes it could be too much for angler to follow those on the device. Nevertheless, if you are interested to try, we will provide software version for that in the future.

IN SESSION MENU

While you are in the session, by short pressing B3 you will activate In Session Menu and by turning B3 you can access following.



Menu selection is activated by short pressing B3.

1/5 SET CAST TIMER

Here you can set alarm for your cast timer. If you do not want to use it, just turn it to 0. Alarm time is set by turning B3 to set the time and short press B3 to set it. Once you press it, you will again be in In Session Menu.

2/5 STATISTICS

Here you have your overview of the session. You can change data by turning the B3. If you press the B3, you will return to In Session Menu.



Fish per hour and Cast per hour are pretty much self-explanatory. Thing to keep in mind, after 6th hour everything will show as if it is in 6th hour. So if you have a match that is 8 hours long, we keep only first 6 hours divided, after that all stats shows together with stats from

6th hour. Its just limitation of the display size and ease of use to scroll through additional hours. If for any reason you do need data separated for longer matches, send us a note to give you custom software version.

Active time is percentage of time your bait is in the water, or you have fish on your hook vs total time in session. It's a simple metrics to track if you are losing too much time between casts. This number will vary based on match pace. If you are casting frequently, its normal to be in 65% zone, but if you are casting 6-8 times per hour and your active time is 70%, something is off.

Fish series and No-Fish series help you tracking your streaks/series. For both you have now and max value. NOW is current and MAX is what you had maximum of during the match. For example, if you had a series of 5 fish and you missed one and you caught 2 in series, your Fish series will be 2/5. If stats are 6/6 that means that you are currently in your best series. Same stands for No-Fish, you can track how much casts you have not caught a fish.

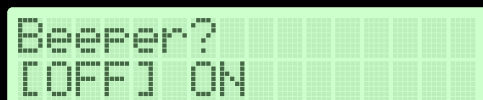
3/5 CLOCK



2024-09-16 GMT
09:12:39 +2:00

If you are interested in time of the day, here you can find it. We have more detailed explanation on how time is kept accurate for device later in the document, so you can read it there. Same here, once you press B3, you will go back to In Session menu.

4/5 BEEPER ON/OFF



Beeper?
[OFF] ON

NOTE: Currently device has only tactile feedback for buttons and by default,

beeper on your device is ON. Here you can turn it off by turning B3 and confirming your choice by pressing B3.

We are keen to learn what would work for anglers with hearing issues, so please give us your feedback/suggestion on info@casttrek.com.

5/5 EXIT

If you press B3 here you will return to your session screen.

And that's it when it comes to using device offline. Now. Let's go and find out what's in the main menu.

Now, let's turn it ON and click rotating switch

When you plug in power source, display will lit during boot up and after 2 seconds you should see something like this:



Feederland EP
2.70b 6

There is a counter on far right of the screen and if you short press B3 you will enter main menu of the device.

NOTE: Only pressing B3 will take you to main menu, B1 and B2 will not take you there.

Once you pressed B3 before countdown to 0, you should see something like this.



Menu 1/11
Go Fishing

If you turn Button 3, you will see what's also available in the menu.



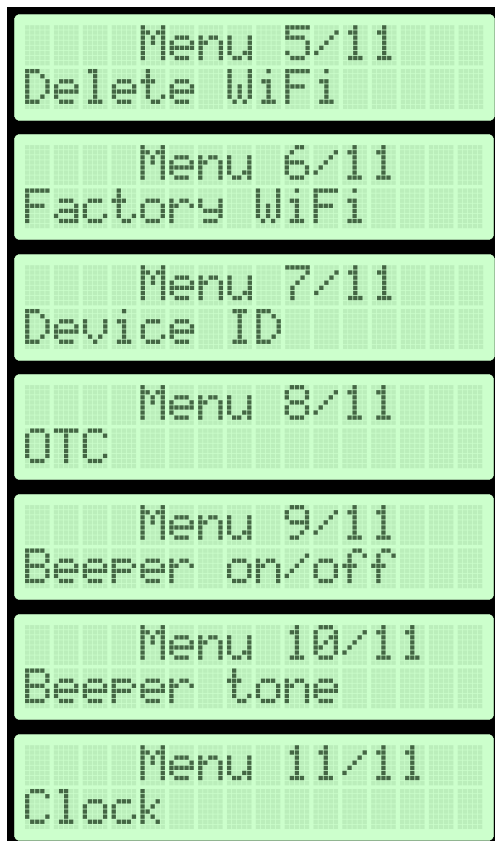
Menu 2/11
WiFi



Menu 3/11
WiFi Set On EP



Menu 4/11
Autostart WiFi



Let's go through them and see what's there.

1/11 GO FISHING

If you press B3 it will go to your session, and it will be the same as we explained previously for offline sessions. On the other hand, if you press this after your Wi-Fi is configured, it will be slightly different, so let's revisit that later.

2/11 WIFI

This is for Wi-Fi configuration using your phone or laptop.

First, let's explain the process.

EP does not have the keyboard and putting in Wi-Fi information is not easy task. You have to use another device to help you with this.

When you unpack device, there is no Wi-Fi preconfigured. When you press B3 on this menu item following sequence will be started:

1. EP will start its own Wi-Fi, give you SSID on screen and tell you

to use your phone, but you can also use your laptop, pc etc



2. You do not need password to connect to this Wi-Fi
3. When you connect your phone to EP's Wi-Fi, your phone will be automatically redirected to something that is called captive portal. You probably saw that in hotels, restaurants, stadiums etc.
4. We will use that page to configure Wi-Fi on device by entering Wi-Fi information using your phone.
5. Once that is done and EP is connected to your Wi-Fi, it will be saved for future use.
6. We store only one Wi-Fi, so make sure you use some Wi-Fi that you can reuse, like your phone hotspot, portable hotspots etc.
7. You can delete and reconfigure Wi-Fi unlimited number of times, but you can store only one.

You can find a video on this process on our YouTube channel, youtube.com/@CastTrek.

NOTE: It can happen that, due to your security settings on the phone or laptop, captive portal is not automatically loaded. You can reach configuration page while you are connected to EP Wi-Fi by typing 192.168.4.1 in address bar of your browser.

3/11 WIFI SET ON EP

This is option for you to use if you could not use method explained in previous section.

When you start this menu option by pressing B3, you can enter SSID and password by turning B3 to character

needed and confirming character by pressing B3.

Max SSID length entered this way is 16 characters. If you have SSID that has less than 16 characters, after you entered all characters just click through the empty characters to finish the process.

You can find a video on this process on our YouTube channel, youtube.com/@CastTrek.

4/11 AUTOSTART WIFI

Once you configured you Wi-Fi, you can choose to auto start Wi-Fi each time you turn on device. If you are recording your sessions, this is handy as you do not have to go to menu every time, and Wi-Fi will be started before your session is started.

Enter this menu by pressing B3, choose setting by turning B3 and confirm by pressing B3.

You can find a video on this process on our YouTube channel, youtube.com/@CastTrek.

5/11 DELETE WIFI

By pressing B3 on this menu item, you will delete your Wi-Fi settings. You will get confirmation once process is done.

6/11 FACTORY WIFI

We plan to make easy for everyone by providing Wi-Fi access on selected fisheries, competition venues etc, with same configuration that we are using during the process of making and testing devices. You can use this menu item and simply connect to Wi-Fi if you see the sign, or you received information that Cast Trek Wi-Fi is available on location. Wi-Fi is preloaded and hidden, so you do not have to do anything, and info is preserved even if you delete your Wi-Fi configuration. Also, using Factory W-Fi will not remove your Wi-Fi settings.

7/11 DEVICE ID

When you install the app, part of the process of creating the account and connecting it to your EP is providing your Device ID. Each Feederland EP has its own Device ID and it is used for identifying device, enabling remote software updates, and remote configuration of device.

Same number you saw on your box and you can see it on device.

8/11 OTC

When you create user OTC will need to be provided. OTC (One Time Code) is providing two-factor authentication and securing your passwordless account on your phone.

To generate OTC, you will need to be connected to Internet, and once it is used it is deleted, but you can always generate another one if requested from the system.

9/11 BEEPER ON/OFF

Same as previously explained

10/11 BEEPER TONE

It's well known that two people will probably not hear same sound the same way. Therefore, we left option to adjust frequency of the buzzer and to adopt to your liking.

Enter this menu by pressing B3 and by turning adjust the frequency. Once satisfied, press B3 to save.

11/11 CLOCK

In EP there is a small chip that keeps track of the time. We also adjust time on device every time your EP is connected to internet, and even adjust to local time if you are in some other country, or more to the point, in other time zone.

For those that do not plan to use it online, you can manually adjust the

clock by turning B3 and confirming with pressing B3.

NOTE: You can only adjust clock in main menu. Even though you can check clock from session menu, you cannot change time there, as it would mess tracking of the current session.