
Beecardia Cloud User Manual



Table of content

Introduction	3
Setting up an account	3
Login to the cloud	3
Studies list	4
Study	5
Diagnosis	8
Report	9
Report orders	11
Profile	12
Settings	13
Account settings	13
Viewer settings	14
Report settings	15
Sharing	16

Introduction

Beecardia's solution consists of hardware devices, a mobile application, and a web cloud service.

This document explains the operation of the Beecardia cloud service.

Each study that you record with the Beecardia application on the tablet is uploaded to the cloud (as long as the tablet has WiFi connectivity), where you can view, analyze, share your studies and refer them to a cardiologist.

Setting up an account

Before you can use the mobile app, you must have a Beecardia account.

In order to sign up to the site and create a new account:

1. Browse to: <http://clinic.beecardia.com>
2. Click on "Create new account"
3. Choose your account type
4. Fill all the relevant details
5. When done click on "Create account"

After signing up you will get an email to activate your account, please follow the instructions in that mail to finish the signup process.

Login to the cloud

Go to <http://clinic.beecardia.com>, enter your email and password, and click on "Login".

Studies list

StudiesReport ordersSite Demo 

1

Filter by patient 

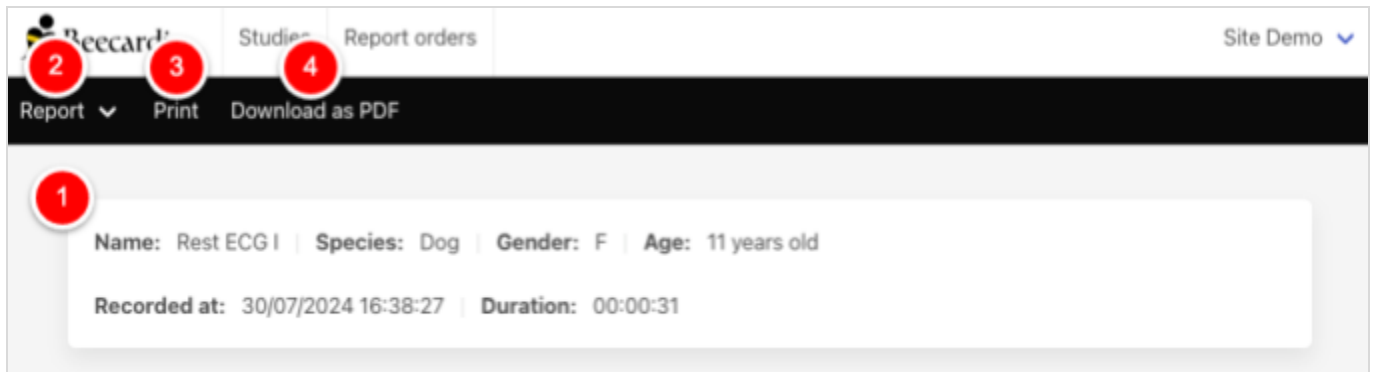
Patient name	Patient id	Owner	Shared by	Type	Date	Duration	Report
Rest ECG I	1212			Rest	30/07/2024 16:38:27	00:00:31	view 2
Rest ECG II	2824			Rest	28/07/2024 12:28:42	00:00:32	
Holter I	03705			Holter	21/07/2024 09:40:43	19:22:21	view

PreviousNext

The studies list page contains the list of your studies, for each study you can see the patient name, duration, etc.

- Clicking on a study takes you to that [study page](#)
- You can filter the studies list by patient, study type or tags (1)
- If the study has a report you can view it from here (2)

Study



The study page shows you the patient details and the ECG viewer.

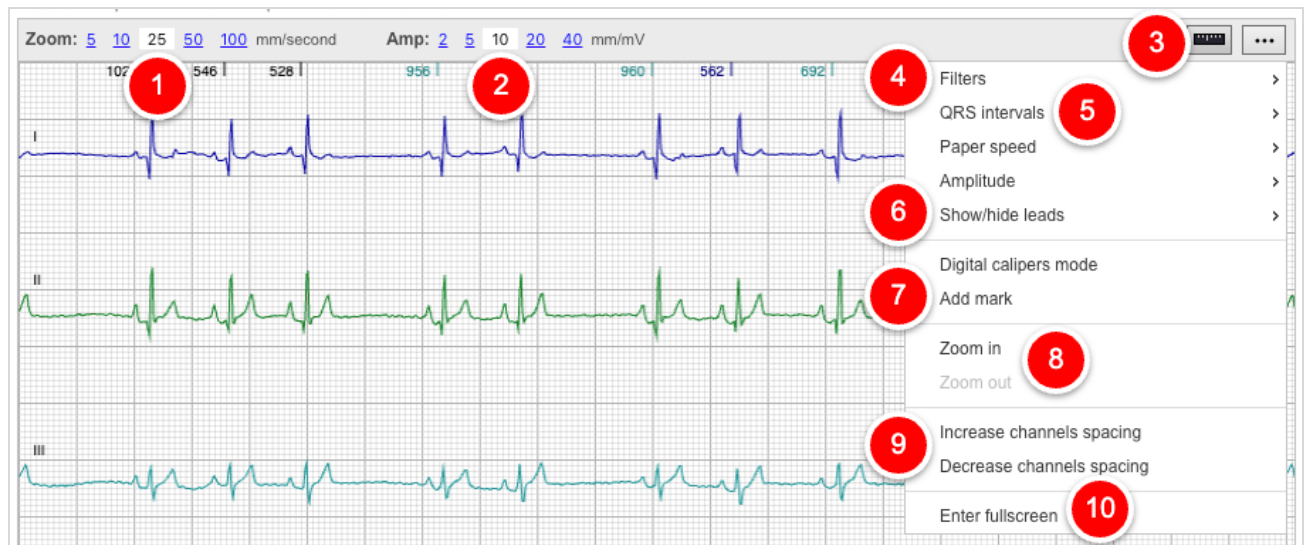
On this page, you can view/write a report, order a diagnosis from a cardiologist, print/download the study.

- Summary of the patient details (1)
- Using the report menu (2) you can:
 - View or create a [report](#)
 - Order a remote ECG interpretation from a cardiologist
- Print the study to a regular A4/letter printer (3)
- Download the full study as PDF (4)



The main part of the page shows you the ECG signal.

- View calculations and events (for example, the mean electrical axis) under the “Events and calculations” tab (1)
- The full patient’s details are available under the “Patient details” tab (2)
- If you order a diagnosis, you can use the discussion tab to communicate with the doctor performing the diagnosis (3)
- You can write your diagnosis in the diagnosis tab (4)
- Click on any point in the timeline on the top to jump to a specific time of the exam (5)
- The main viewer shows you the ECG signal, dragging left or right moves the signal accordingly. You can also move left or right using the keyboard arrows (6)
- There is a context viewer at the bottom, which shows a wider context of the exam. The rectangle shows you the part that is currently visible in the main viewer (8)
- The context viewer shows channel “I” by default, you can change the channel using the channel selection menu (7)



- Change the main viewer paper speed (1) and amplitude (2)
- Zoom in/out (8)
- Show/hide specific leads (6)
- Increase/decrease the space between the leads (9)
- Measure distances on top of the viewer using the digital calipers mode (3). To use this tool click with the mouse on the signal area and draw a rectangle (while still holding the mouse button). The width of the rectangle measures duration in ms and the height - amplitude in mV
- Two filters are applied by default - baseline correction and noise removal. You can turn those filters on/off (4)
- Choose whether to see the QRS intervals or the HR (5)
- Add a mark at a specific location (7)
- Enter fullscreen mode (10)

Diagnosis

The screenshot shows the 'Diagnosis' tab interface. At the top, the 'Measurements:' section (1) contains input fields for HR (BPM), P (ms), P (mv), PR (ms), QRS (ms), R (mv), QT (ms), and MEA. Below this is the 'Conclusions:' section (2) with a text area containing 'First degree AV block with partial left bundle branch block' and an 'Insert template' dropdown (3). The 'Diagnosis tags:' section (4) features a tag input field and a list of existing tags: 'av-block 1st degree' and 'left bundle branch block'. A three-dot menu (5) is located to the right of the tag input field. At the bottom left is a 'Save' button (6).

The diagnosis tab is where you enter your diagnosis:

- If you'll generate a report, it will get auto-populated with your diagnosis
- ECG measurements (1). If you used the digital calipers to save measurements then it will auto-fill the measurements fields
- You can write your conclusions here (2)
- Insert templates (3). See how to add templates [here](#)
- Add diagnosis tags (4). Diagnosis tags are a way to filter your studies. For example, clicking on the "left bundle branch block" tag will show all of your studies that were marked with that tag
- Click on the three dots (5) to select tags from a pre-defined tags list
- Click on "Save" (6) to save your diagnosis

Report

[View study](#)

1

2

3

Download as PDF

Print

Dr. Site Demo

Type: Rest ECG Date: 30/03/2015 11:58:28 Duration: 00:00:22

Patient name:	Rest ECG 1	Weight:	75.0 kg
ID:		Height:	178.0 cm
Email:		Anamnesis:	
Phone Number:		Medications:	
Sex:	M	Birthday:	
Age:	Unknown	ICD-10 code:	

4

5

6

7

8

9

11:58:28 25 mm/second 10 mm/mV

HR (BPM)	P (ms)	P (mv)	PR (ms)	QRS (ms)	R (mv)	QT (ms)	MEA
							Normal

7

8

9

Insert template

The report page contains details about your clinic, the patient details, a snapshot of a specific area from the viewer, and conclusions about this study.

- By default, your name appears with the title “Dr.” at the top of the page (1), you can change that under the [report settings](#)
- You can download the report as a PDF file (2) or print it (3)
- Above the ECG signal, you can see the patient details (4)
- The ECG signal appears in the same zoom/amplitude and the same time position as chosen on the study page (5)
- ECG measurements (6). If you saved your measurements in the [diagnosis tab](#) then it will auto-fill here
- Insert templates (7). See how to add templates [here](#)
- You can write conclusions at the bottom of the report (8). If you order an ECG diagnosis from a cardiologist then his/her conclusions will appear here and you will get an email notification once the report is ready
- When the report is ready, you can save it by clicking on the “Save report” button (9)

Report orders

Ordered from	Patient name	Owner	Type	Date	Status	Actions	
Dr. Demo Cardiologist	Demo Patient I		Detailed analysis	05/06/2024 18:22:50	Pending	Download invoice	Cancel
Dr. Demo Cardiologist	Demo Patient II		Detailed analysis	05/06/2024 11:57:01	Done	View report	Download invoice
Dr. Demo Cardiologist	Demo Patient III		Detailed analysis	02/06/2024 11:21:00	Done	View report	Download invoice

[Previous](#)[Next](#)

You can view all of your report orders under the “Report orders” tab.

- Download the invoice (1) if applicable
- View the report when it’s ready (2)
- You can cancel the report order if it was made by mistake (3) as long as it’s still under the “Pending” status

Profile

The screenshot displays a 'Profile' page with three main sections, each marked with a red circle containing a number to indicate update steps:

- Personal info (1):** Contains four input fields: 'First name' (with 'Site' as a placeholder), 'Middle name', 'Last name' (with 'Demo' as a placeholder), and 'ID'.
- Login details (2):** Contains a 'Password' field with an 'Update Password' button, and an 'Email address' field with an edit icon.
- Clinic info (3):** Contains several input fields: 'Hospital/Clinic name', 'Phone number', 'Country' (a dropdown menu currently showing 'United States of America'), 'Address line 1', 'Address line 2', 'City', 'State / Region', and 'Zipcode'. It also includes a 'Logo' field with an 'Update logo' button.

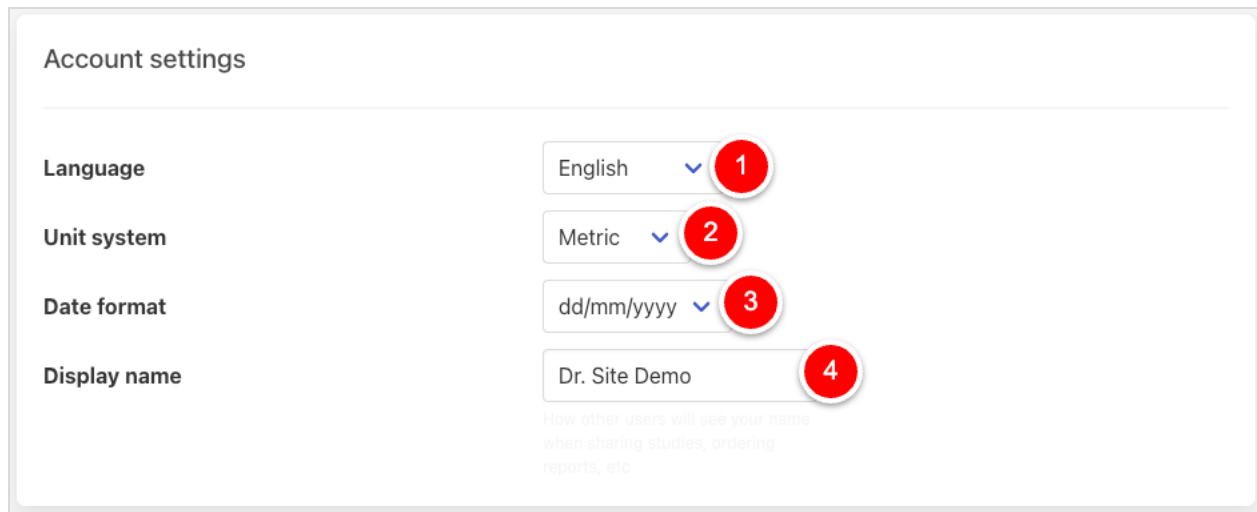
To update your profile, go to Main menu > Profile.

- Update your personal details (1)
- Update your login details (2)
- Set your clinic information (3)

Settings

To update your settings, go to Main menu > Settings.

Account settings



The screenshot shows the 'Account settings' page. It has a title 'Account settings' at the top. Below it are four settings, each with a red circle containing a number indicating the step to update it:

- Language**: A dropdown menu showing 'English' with a blue downward arrow. A red circle with the number '1' is next to it.
- Unit system**: A dropdown menu showing 'Metric' with a blue downward arrow. A red circle with the number '2' is next to it.
- Date format**: A dropdown menu showing 'dd/mm/yyyy' with a blue downward arrow. A red circle with the number '3' is next to it.
- Display name**: A text input field containing 'Dr. Site Demo'. A red circle with the number '4' is next to it. Below the input field, there is a small grey text note: 'How other users will see your name when sharing studies, ordering reports, etc'.

- Set the site language (1)
- Choose unit system - metric/imperial (2)
- Choose the preferred date format (3)
- Set your display name (4). The display name is how everyone are going to see your name across the site (by default it's set to your name plus the title "Dr.")

Viewer settings

Viewer settings

Default paper speed

25

1

Default amplitude

10

2

Default QRS intervals

RR intervals

3

Grid type

10x10

4

Display predictive measurement

☐

5

- Change the default paper speed (1) and amplitude (2) of the viewer
- Change the default QRS intervals (3)
- Change the default viewer grid (4)
- Show predictive lines when using the digital calipers tool (5)

Report settings

The screenshot shows the 'Report settings' interface. On the left, there are labels for 'Paper size', 'Header', 'Conclusion templates', 'Signature', and 'Digital signature'. On the right, the corresponding settings are displayed. Red circles with numbers 1 through 5 point to specific elements: 1 points to the 'A4' radio button for paper size; 2 points to the 'Dr. Site Demo' text in the header field; 3 points to the star icon next to 'Template 2' in the conclusion templates list; 4 points to the 'Dr. Site Demo' text in the signature field; and 5 points to the 'Update digital Signature' button.

Report settings

Paper size ☒ A4 ☐ Letter 1

Header Dr. Site Demo 2

Conclusion templates

Template 1

Template 2    3

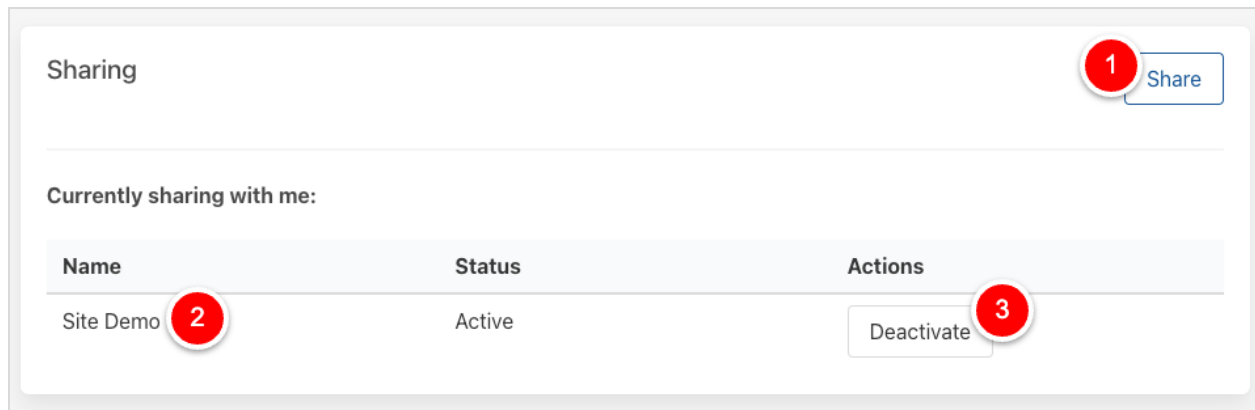
Add

Signature Dr. Site Demo 4

Digital signature Update digital Signature 5

- Choose the default printing paper size (1)
- By default, your display name appears at the top of the report page, you can change that by entering a different report header (2)
- You can add conclusion templates. Mark a template with “star” to make it the default one. The default template will automatically get pre-filled for every new conclusion (3)
- If you enter your signature (4) then it automatically appears at the bottom of your report once you write new conclusions. The signature default is your display name
- You can draw your signature and have it appear on your reports (5)

Sharing



You can set auto sharing by going to Main menu > Sharing.

- You can automatically share all of your studies with someone by clicking on “Share” (1) and add their email
- That person will receive an email asking him to approve this sharing. Once they approve it, all of your studies will be shared with them and they will get an email notification on every new study that you upload
- You can see who’s sharing studies with you under the “Currently sharing with me” section (2)
- You can activate or deactivate this sharing (3)