# Contents

Welcome to FeNOchart™ ................................................................. 2  
Intended Use ................................................................................. 2  
Installation .................................................................................... 2  
Interface ........................................................................................ 4  
User Accounts ............................................................................... 6  
Create a New User Account .......................................................... 6  
Reset a User Account .................................................................. 8  
Delete a User Account ................................................................. 9  
Patient Profiles ........................................................................... 10  
Patient Database .......................................................................... 10  
Adding a Patient Profile ............................................................... 10  
Editing a Patient Profile ............................................................... 12  
Deleting a Patient Profile ............................................................. 13  
Take a Test in a Patient Profile ...................................................... 13  
How-to Videos ................................................................................ 14  
Taking a Breath Test ................................................................... 15  
Ambient Testing ........................................................................... 20  
Device Options ............................................................................. 20  
Software Settings ......................................................................... 22  
FeNOchart™ Settings .................................................................... 23  
Edit My Account ........................................................................... 24  
Firmware Update Tool .................................................................. 24  
Help Menu ..................................................................................... 25  
Icons List ....................................................................................... 26
Welcome to FeNOchart™

FeNOchart™ is a free, patient management software for use with the NObreath® FeNO monitor. This manual outlines the basic functionality of the FeNOchart™ software, and provides a guide for how to use each function.

Intended Use

FeNOchart™ is a standalone piece of software, which is used with the NObreath® monitor. The software is used as an aid for Healthcare professionals to record patient’s FeNO results.

The FeNOchart™ software will be able to create a graph from the patient results. The healthcare professional will be able to generate a report from the patient profile data.

The FeNOchart™ information including patient results and graphs will be able to be exported into a PDF format.

The FeNOchart™ software can be connected via USB to the NObreath®

It is intended to be used by healthcare professionals in medical institutions.

Installation

FeNOchart™ can be downloaded from www.nobreathfeno.com. Follow the instructions onscreen to complete the setup. Once FeNOchart™ is fully installed a prompt will appear to connect the NObreath® to the computer in the first instance.
FeNOchart™ will register the connected device and an alert will appear once a device has been connected. A prompt will then ask for a database to be created, follow the onscreen instructions to set-up the database. Once the database has been created, the login page will appear.

FeNOchart™ is automatically set-up with an Administrator level account; it is advisable to assign an administrator person for the first account as this account will be used to manage any future users should they forget their login details.

The Administrator level account has pre-set log-in details:
**Username**: AdminAdmin
**Password**: Password

Upon the first login, it is advised to change the pre-set username and password, as listed above, and also to provide 3 security questions and answers. These will be required to reset an account if a password is forgotten.

Once the administrator level account has been set up, the administrator will then be able to set up the other user accounts. Please see the ‘User Accounts’ section of this manual for more information.
Interface

Aids in the diagnosis and management of asthma, one breath at a time.

Aids in the diagnosis and management of asthma, one breath at a time.
1. Log out
2. NObreath® options
3. Settings
4. Help
5. Adult breath test
6. Demo videos
7. Patient database
8. Child breath test
9. Ambient test (coming soon)
10. Add a new patient
11. Next page
12. NObreath® settings (coming soon)
13. Email settings
14. Server settings (coming soon)
15. Administrator Panel
16. Troubleshooting (coming soon)
17. Previous page

**NOTE:** A user level or service level account cannot access the Administrator Panel to reset security questions or change account privileges – only an administrator account can access the administrator panel.

**NOTE:** User level accounts will only have access to the following features:

- [Image of FeNOchart™ interface]

**NOTE:** Service level accounts will only have access to the following features:
User Accounts

There are 3 types of user accounts:

1. Administrator level
2. User level
3. Service level

**NOTE:** Only an administrator can create and delete user accounts.

*Create a New User Account*

To create a new user account, access the Administrator Panel from the 2\textsuperscript{nd} page of the home screen. From here user accounts can be created or deleted, and passwords can be reset.
Click the ‘+’ icon at the bottom of the screen to add a new user. Fill out the details required and click the ‘Save’ icon.

A prompt will appear asking for confirmation; click yes to complete the account set-up.

**NOTE:** Upon logging into a new account, all users will be required to change their password and set their security questions and answers.
Reset a User Account

When a user has forgotten their password or is locked out of their account from failed recovery attempts, only an administrator can reset their account. The Administrator Panel shows the status of a user account; the red ‘x’ indicates an account which needs resetting.

Clicking the password reset button will generate a new log-in and password for the user to access their account.
Once the user has used the generated details to log in and reset their password, their recovery state will return to a green ‘✓’.

Delete a User Account

To delete a user account, select their profile in the Administrator panel and then click the ‘Delete’ icon. A prompt will appear asking for confirmation; click yes to delete the user account.
**Patient Profiles**

**Patient Database**

FeNOchart™ has the ability to create and store patient details, enabling a patient’s FeNO readings to be tracked over time. From the database, it is possible to edit patient details, view a list or graph of results, take and save a test directly to a profile, and export reports.

**Adding a Patient Profile**

To create a patient profile, click on the ‘Add a New Patient’ icon.

By default, only the mandatory fields are editable. If additional information is desired, there are 2 options:

1. Manually enable/disable the various criteria by clicking the ‘+’ icon.

2. Amend the default criteria in the settings menu
   (see the Patient Profile Settings section of this manual)

To manually add additional information, click on the ‘+’ icon at the top right of the criteria field; when enabled, the criteria box will become white instead of purple and the information can be entered. To disable, click the ‘x’ on the top right of the criteria field.

Enter the patient information; mandatory fields marked by an *. The date of birth field must also be before today, all other fields are optional.
Click the ‘Save’ icon to save the profile to the FeNOchart™ database. A prompt will appear asking for confirmation; click yes to complete the patient set-up. The patient can then be found in the Patient Database.
**Editing a Patient Profile**

To edit a patient profile, open the patient database and select the patient to be modified. Click in the ‘Profile’ tab.

![Image of patient profile interface]

**Aids in the diagnosis and management of asthma, one breath at a time.**

Edit the information as desired. To save the results, click the ‘Arrows’ to select the ‘Save’ icon.

![Image of patient profile interface]

**Aids in the diagnosis and management of asthma, one breath at a time.**

Click the ‘Save’ icon and a prompt will appear asking for confirmation; click yes to keep the changes.
Deleting a Patient Profile

To delete a patient profile, open the patient database and select the patient to be deleted. Click the ‘Arrows’ to tab the action button to the ‘Delete’ icon.

Click the ‘Delete’ icon and a prompt will appear asking for confirmation; click yes to delete the patient profile.

Take a Test in a Patient Profile

To start a test from a Patient Profile, open the patient database and select the patient to be tested. Click the ‘Arrows’ to select the action button to the ‘Breath Test’ icon.

NOTE: The icon ‘Breath Test’ icon will either be an adult or a child depending on what their account type is.
Click the ‘Breath Test’ icon and a prompt will appear asking for confirmation to start the test; click yes to begin and follow the onscreen instructions to perform a NObreath® FeNO test.

The results will automatically be saved to the patient’s profile.

How-to Videos

The NObreath® FeNO monitor ‘How-To’ videos are automatically included with the FeNOchart™ software. To see the list of videos, click on the ‘Play’ icon and select the desired video to play.
Taking a Breath Test

To take a breath test, click either the ‘Adult Breath Test’ or ‘Child Breath Test’ icon from the home screen. Follow the onscreen prompts to complete the breath test.
An unsuccessful breath test will show a red ‘x’.

To reattempt the breath test click the ‘Retry’ icon, or click the ‘Arrow’ to continue to the results.

A successful breath test will be shown by a green ‘✓’.

The result will then display onscreen. Click the ‘Retry’ icon to take a new test, or the ‘Save’ icon to save the result to a patient’s profile.
Either select a patient from the list to save the result to their profile, or click the ‘+’ icon to add a new patient profile to save the result to.

**NOTE:** If taking an adult breath test, only adult patient profiles will be listed and if a new patient profile is created, it will automatically be set to ‘Adult’.
Clicking the ‘+’ will open a box to create a basic patient profile.

Fill in the required information and click ‘Create’ to save the result to the new patient profile.

**NOTE:** Additional patient information can be added to the profile at any time; see the ‘Editing a Patient Profile’ section of this manual.
Once the new patient profile has been created, make sure they are selected. Click the tick and follow the prompts to confirm.

Once the result has been saved to a patient’s profile, another test can be taken by clicking the retry button, or click on the ‘Graph’ icon to see the a graph of results within the patient’s profile.
**Ambient Testing**

Coming Soon

**Device Options**

When a NObreath® monitor is connected to the FeNOchart™ software, the ‘NObreath®’ icon will appear in the top right-hand corner. Clicking this and hovering over the device will list the following options:
NOTE: When data is being transferred from the NObreath® to the computer, for example when downloading any logs from the Device Options menu, the Bedfont® logo will flash at the top of the window.
Software Settings

In the software settings, it is possible to change the default criteria for patient profiles and reports, and much more. To access these options, click the ‘Settings’ icon at the top right of the window.
**FeNOchart™ Settings**

1. Set default report logo
2. Set default email address (coming soon)
3. Enable/disable screen mirroring
4. Import database (coming soon)
5. Change software language (coming soon)
6. Enable/disable results interpretation (coming soon)
7. Change default patient profile criteria
8. Change default report criteria
**Edit My Account**

From here, users can change their password or security questions and answers.

**Firmware Update Tool**

When the NObreath® firmware needs updating, this can be done by choosing the Firmware Update Tool from the Software settings menu.

**NOTE:** In the first instance, the Firmware Update Tool must be installed by following the onscreen instructions. Each time after, selecting the Firmware Update Tool from the Software Settings menu will simply open the program.
Aids in the diagnosis and management of asthma, one breath at a time.

Help Menu

The help menu can be accessed by clicking on the ‘Question Mark’ icon at the top right of the screen. From here, useful documents can be downloaded and FeNOchart™ can check for software updates.
<table>
<thead>
<tr>
<th>Icon</th>
<th>Meaning</th>
<th>Icon</th>
<th>Meaning</th>
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<tbody>
<tr>
<td><img src="image" alt="Person" /></td>
<td>Patient name(s)</td>
<td><img src="image" alt="Person" /></td>
<td>Child profile</td>
</tr>
<tr>
<td><img src="image" alt="Calendar" /></td>
<td>Date of Birth</td>
<td><img src="image" alt="Phone" /></td>
<td>Telephone number</td>
</tr>
<tr>
<td><img src="image" alt="ID Card" /></td>
<td>Patient ID</td>
<td><img src="image" alt="Doctor" /></td>
<td>Doctor</td>
</tr>
<tr>
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<td>Adult profile</td>
<td><img src="image" alt="Weight" /></td>
<td>Weight</td>
</tr>
<tr>
<td><img src="image" alt="Gender" /></td>
<td>Gender</td>
<td><img src="image" alt="Medication" /></td>
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<td><img src="image" alt="Smoking" /></td>
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<td><img src="image" alt="Prescriptions" /></td>
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<td>Save</td>
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<td>Delete patient profile</td>
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<td><img src="image" alt="Include graph on report" /></td>
<td>Include graph on report</td>
<td>Adult breath test</td>
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<td><img src="image" alt="Include table of results on report" /></td>
<td>Include table of results on report</td>
<td>Child breath test</td>
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<tr>
<td><img src="image" alt="Include logo on report" /></td>
<td>Include logo on report</td>
<td>View table of results</td>
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<tr>
<td><img src="image" alt="Email report" /></td>
<td>Email report</td>
<td>View graph of results</td>
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<tr>
<td><img src="image" alt="Preview report" /></td>
<td>Preview report</td>
<td>View additional notes</td>
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<td>Delete a result</td>
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<td>View patient profile</td>
<td>Add a result manually</td>
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