

EasyOne Air: Backup, Deletion, and Restoration of Data

M. Peiris, C. Buess, July 2024

1. Introduction

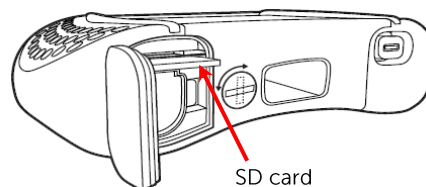
This application note describes how data stored on the EasyOne Air can be backed up, deleted, and restored. Please note that the steps described in this Application Note must be carefully executed, since data can be lost by performing these steps.

2. Backup Database

Before irreversibly deleting any data, we recommend that you either synchronize the data with EasyOne Connect on your workstation, or that you back up the data.

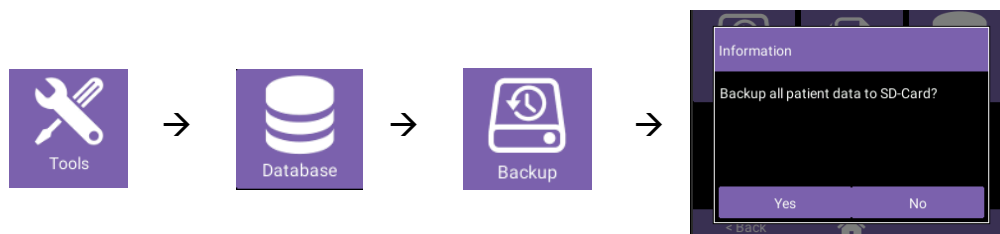
2.1 Backup Preparation

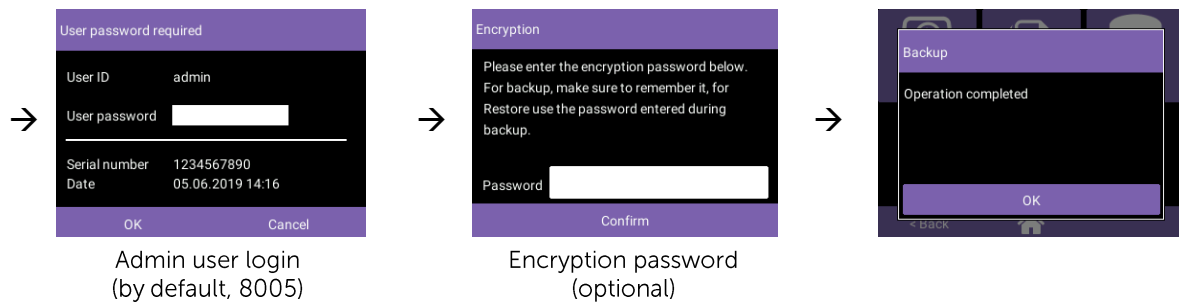
To perform the backup, an SD card needs to be inserted into the EasyOne Air. The SD card slot is located inside the battery compartment, which can be opened by turning the battery lock to the right with the help of a coin.



2.2 Backup Procedure

To perform a backup, execute the following steps on the user interface of the EasyOne Air:





Note:

- Data backups can only be performed by users with Admin-level rights, or by the default Admin user if user management is not activated.
- The backup file is located in a backup folder on the SD card and named using the date/time of the backup: YYYY-MM-DD_HH-MM-SS_eon.db
- Should you choose to encrypt the backup, which is recommended, remember your password or save it in a secure place, as you might need it later to restore the data.
- For security reasons, always remove the SD card from the EasyOne Air after performing a backup. Keep it in a safe place to avoid unauthorized access to the data. This is especially important when the backup is unencrypted.

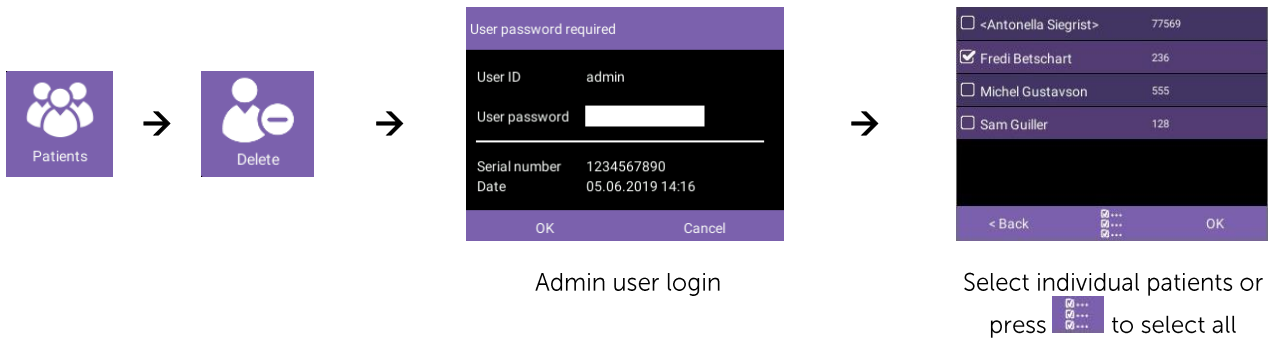
3. Delete Data

With the EasyOne Air firmware version 1.11.0 and higher, you have the options to:

- delete selected or all patient profiles and associated test data,
- delete individual test sessions,
- delete the entire database.

3.1 Delete Patient Data

Deleting a patient's entry permanently removes all associated test data as well as the patient's demographic information from the internal storage of the EasyOne Air. Please make sure to back up the database as described above before performing these steps. To delete patient data, perform the following steps:

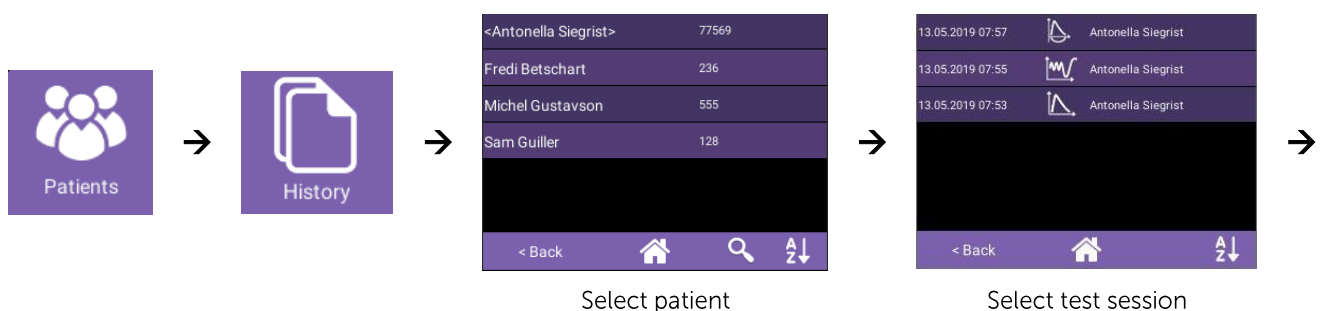


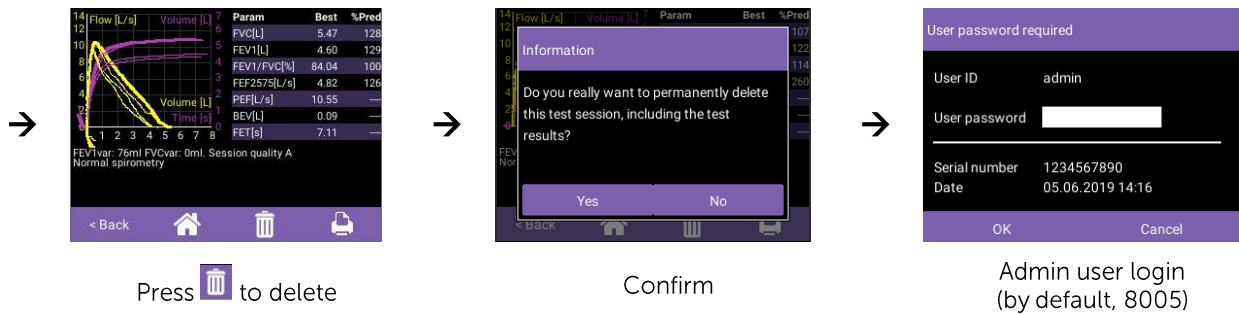
Note:

- The deletion is permanent and cannot be undone.
- Deleting all patient data may be preferable to erasing the entire database, since the configuration settings are preserved.
- Patient deletion can only be performed by users with Admin-level rights, or by the default Admin user if user management is not activated.

3.2 Delete Test Sessions

This action is useful when you want to permanently delete test data but keep the patient's demographic profile. Perform the following steps:





Alternatively, the following steps can be performed if the session to be deleted was created recently, as the test reports are by default sorted by date:



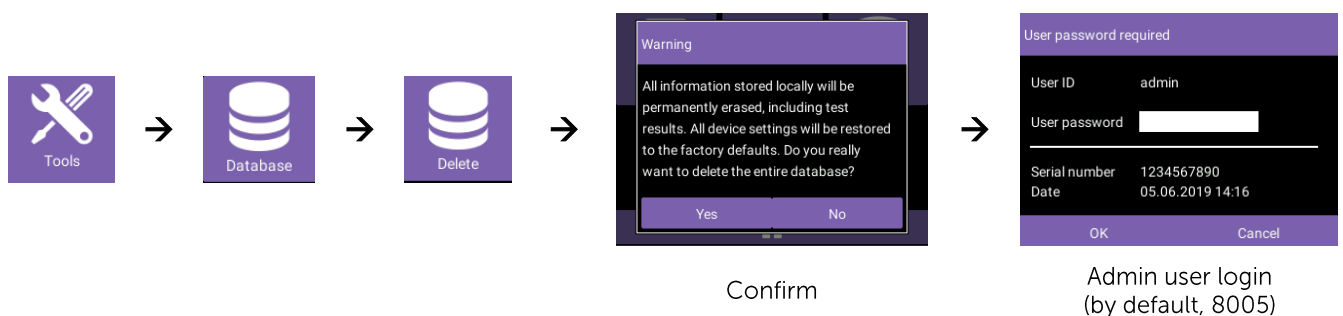
Note:

- The deletion is permanent and cannot be undone.
- Test deletion can only be performed by users with Admin-level rights, or by the default Admin user if user management is not activated.

3.3 Delete Entire Database

Deleting the database permanently erases all patient profiles and associated test data. It also performs a factory reset, meaning that all your configuration settings are reset to the factory defaults. To quickly delete all patient data while preserving the configuration settings, we recommend the procedure described above in section 3.1.

Please ensure that all patient data is either synchronized with EasyOne Connect on your workstation or backed up to an SD card, as described above. To delete the entire database, please perform the following steps:

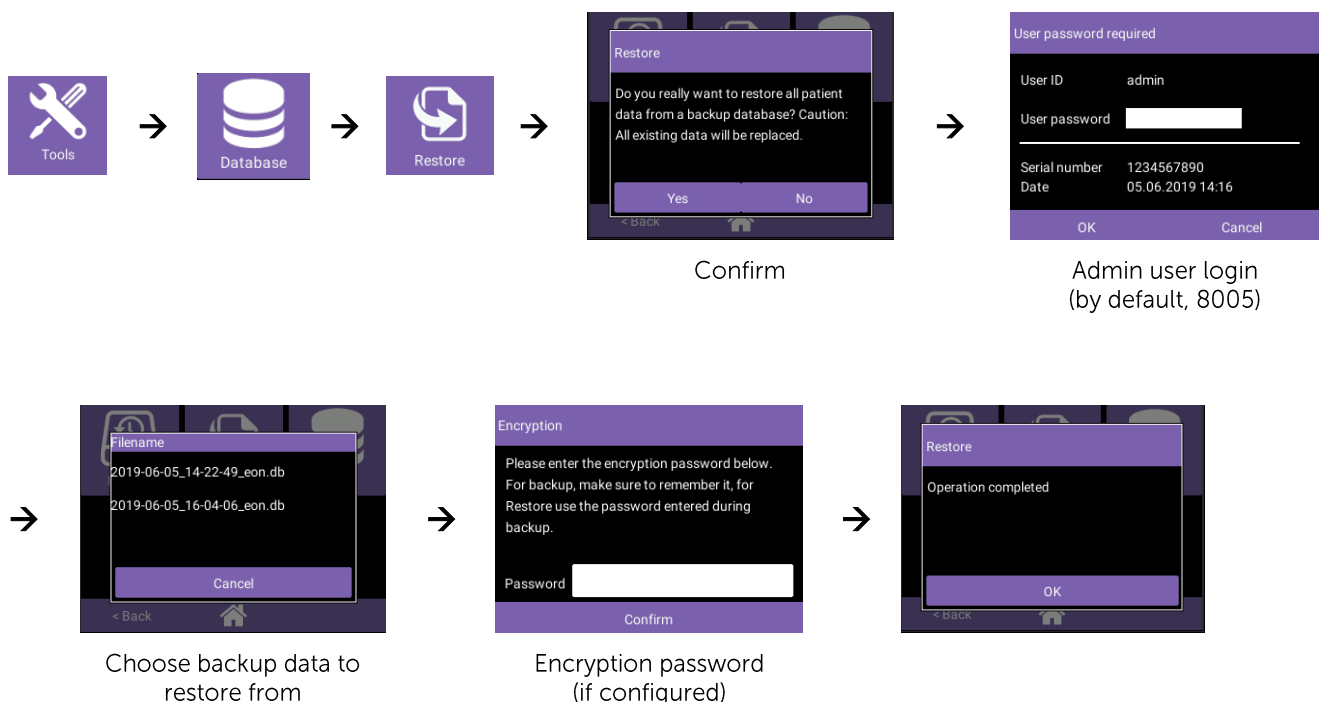


Note:

- The deletion is permanent and cannot be undone. We strongly recommend performing a backup before deleting the database.
- The audit trail is an integral part of the database and will also be permanently lost after the database deletion (the audit trail is not synchronized to the EasyOne Connect database during patient data synchronization). We strongly recommend performing a backup and storing it for record-keeping purposes.
- After the deletion, the configuration settings are reset to the factory defaults.
- A database deletion can only be performed by users with Admin-level rights, or by the default Admin user if user management is not activated.

4. Restore Database from Backup

Use this feature to return your EasyOne Air to the state saved in a previous backup. The backup data is stored in a file with the extension .db and is located within the backup folder on the SD card. To restore the backup, insert the SD card into the EasyOne Air. If the backup data is encrypted, the encryption password is required to perform the database restore:



Note:

- All data created and all settings changed during the time between backup and restore will be permanently lost, which also includes audit trail entries (the audit trail is not synchronized to the EasyOne Connect database during patient data synchronization).

- We strongly recommend performing a backup before restoring the database.
- A database restore can only be performed by users with Admin-level rights, or by the default Admin user if user management is not activated.