Date first issued: 24 July 2023

Last Update: 08 January 2025

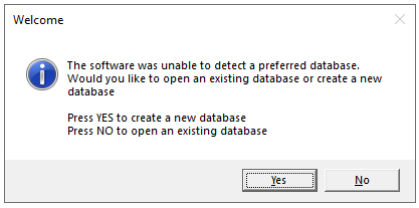
SpiroConnect Settings and Database Tech Tip

The settings within SpiroConnect Data Manager are set on a Windows user basis. When we install the software we attempt to copy the settings to all the users on the PC however occasionally this doesn't work due to local IT restrictions. Therefore, in those situations, each user will need to configure SpiroConnect Data Manager before they use SpiroConnect for the first time.

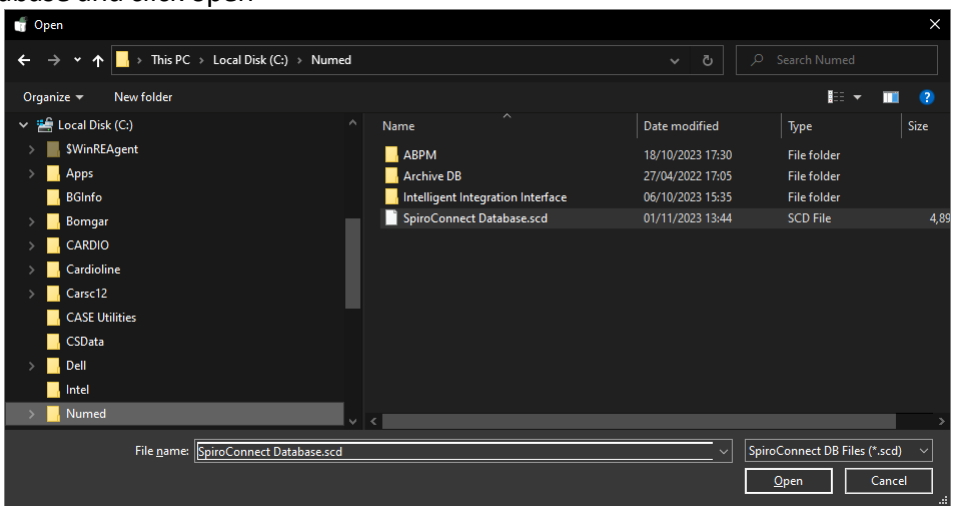
Please note that these settings should be classed as the minimum required to perform and interpret spirometry, however, you can adjust these to your clinical requirements as needed.

To launch SpiroConnect Data Manager please double-click on this icon located on the desktop.

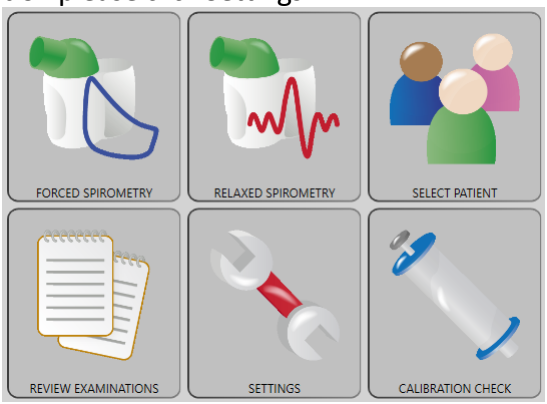
1. When the software opens, you get a message stating that the software was unable to select a database. Choose No to open an existing database. If this doesn't appear go to step 3.



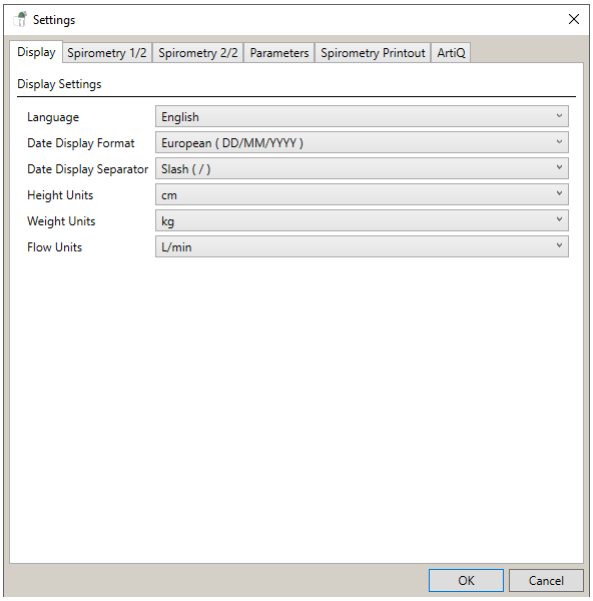
2. We would normally keep the database named SpiroConnect Database.scd in the default location chosen by the software however you can store this on a network drive as well. Once located select the database and click open



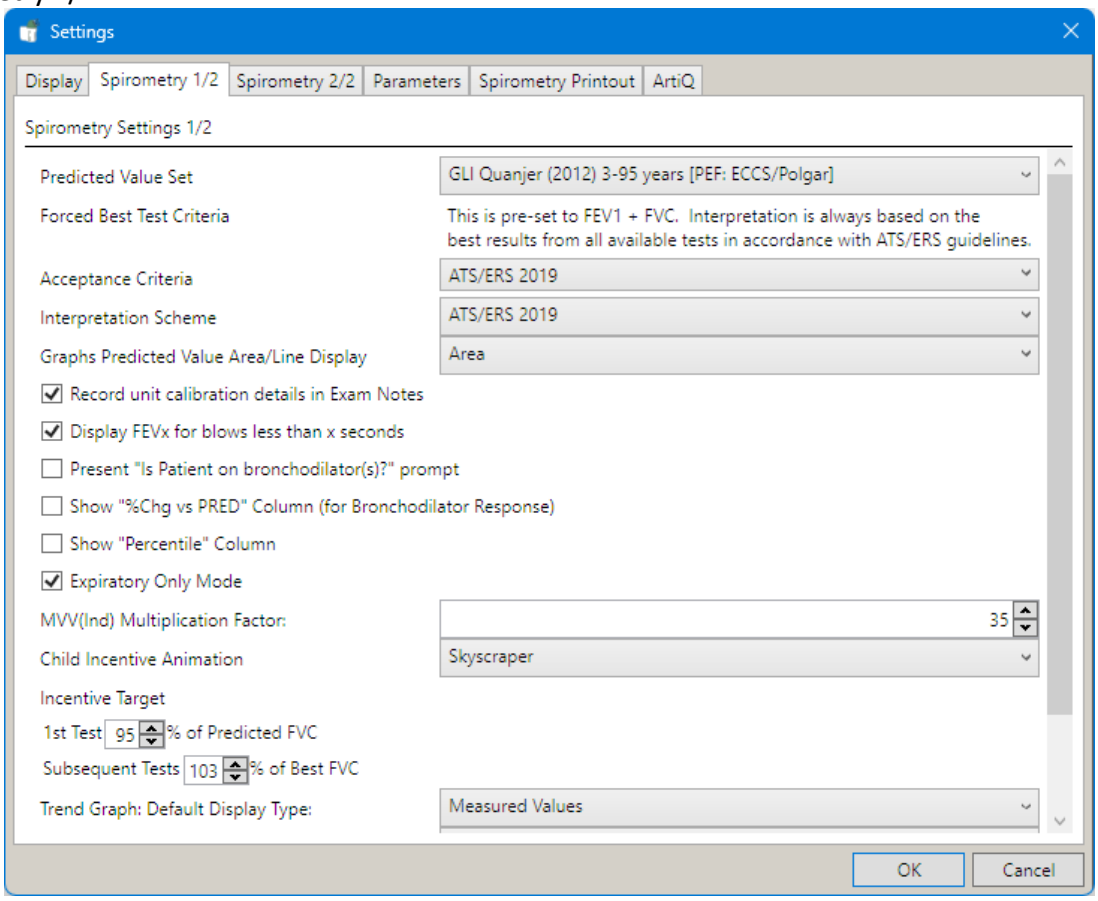
3. To access the configuration please click Settings

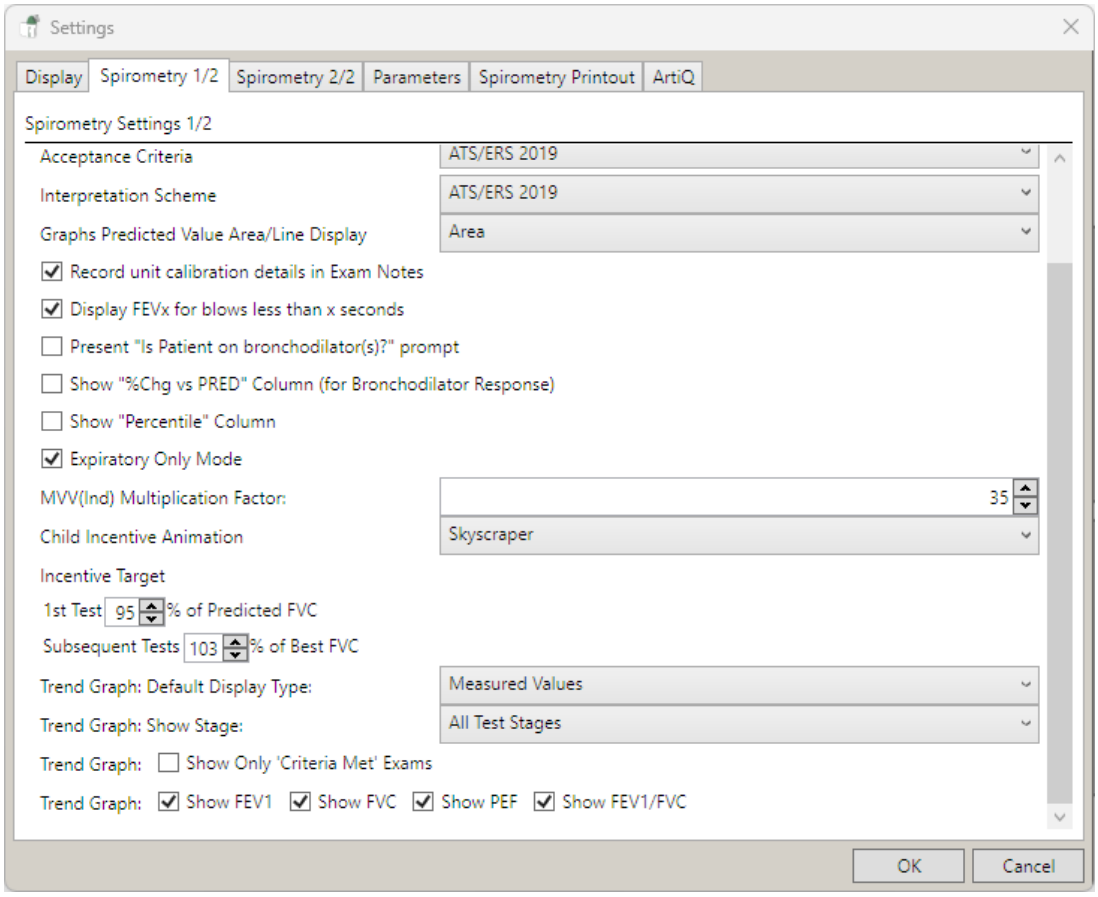


4. Configure the Display as shown

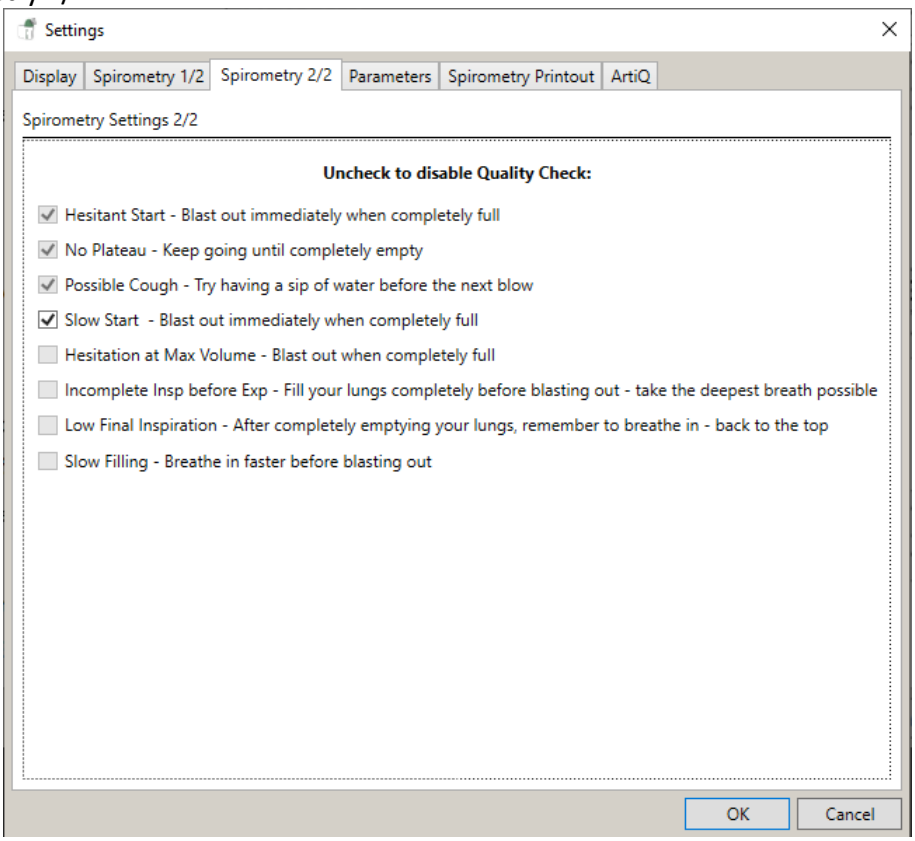


5. Spirometry 1/2

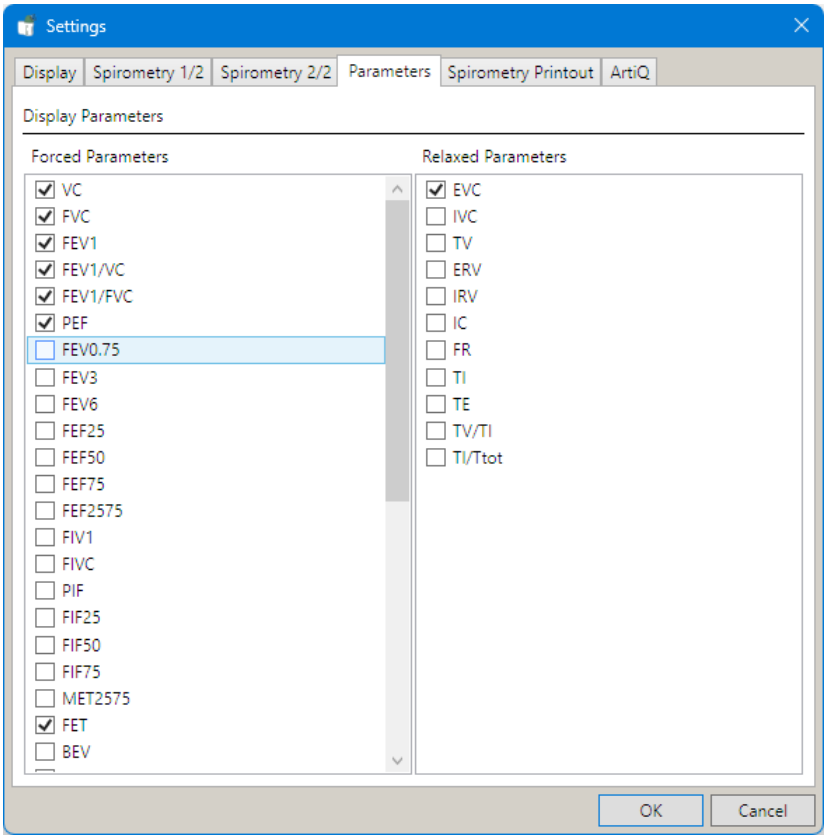


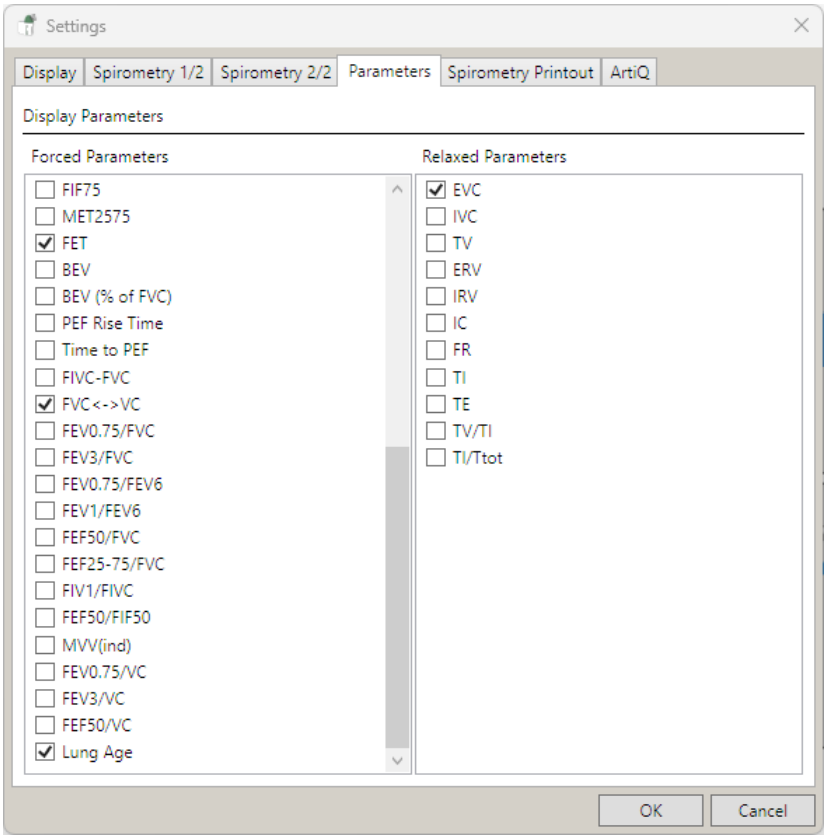

Settings
Display
Spirometry 1/2
Spirometry 2/2
Parameters
Spirometry Printout
ArtiQ
Spirometry Settings 1/2
Acceptance Criteria
ATS/ERS 2019
Interpretation Scheme
ATS/ERS 2019
Graphs Predicted Value Area/Line Display
Area
Record unit calibration details in Exam Notes
Display FEVx for blows less than x seconds
Present "Is Patient on bronchodilator(s)?" prompt
Show "%Chg vs PRED" Column (for Bronchodilator Response)
Show "Percentile" Column
Expiratory Only Mode
MVV(Ind) Multiplication Factor:
35
Child Incentive Animation
Skyscraper
Incentive Target
1st Test 95 % of Predicted FVC
Subsequent Tests 103 % of Best FVC
Trend Graph: Default Display Type:
Measured Values
Trend Graph: Show Stage:
All Test Stages
Trend Graph: Show Only 'Criteria Met' Exams
Trend Graph: Show FEV1 Show FVC Show PEF Show FEV1/FVC
OK
Cancel

6. Spirometry 2/2

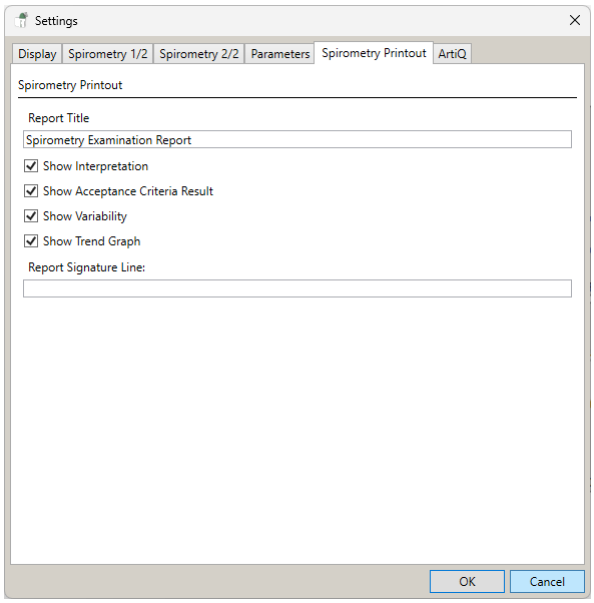


a. Parameters




Settings
Display
Spirometry 1/2
Spirometry 2/2
Parameters
Spirometry Printout
ArtiQ
Display Parameters
Forced Parameters
FIF75
MET2575
FET
BEV
BEV (% of FVC)
PEF Rise Time
Time to PEF
FIVC-FVC
FVC<->VC
FEV0.75/FVC
FEV3/FVC
FEV0.75/FEV6
FEV1/FEV6
FEF50/FVC
FEF25-75/FVC
FIV1/FIVC
FEF50/FIF50
MVV(ind)
FEV0.75/VC
FEV3/VC
FEF50/VC
Lung Age
Relaxed Parameters
EVC
IVC
TV
ERV
IRV
IC
FR
TI
TE
TV/TI
TI/Ttot
OK
Cancel

7. Spirometry Printout, once configured click OK. The ArtiQ tab is only used if you have purchased the ArtiQ integration.



8. Click OK, then close the software.

You are now able to use the SpiroConnect spirometer, if you have any queries about the settings. issues or problems connecting the device please contact Numed support via https://www.numed.co.uk/support or by calling 0114 399 0010 option 3.