



Getting started

BRAYDEN PRO is a CPR training system which uses an Android compatible app in conjunction with a manikin, the first in the world to display blood circulation in the upper body. The BRAYDEN PRO system can be used to help understand the effects of CPR training as well as help improve the quality of CPR performance.

BRAYDEN PRO provides real-time feedback of CPR performance which can be reviewed and analysed and downloaded and exported by connecting the BRAYDEN PRO manikin to an Android compatible device loaded with the BRAYDEN PRO app.

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Select training and assessment method (Main menu)

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Start and stop training and assessment

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- The app screen displayed in the instruction manual may differ from the Android device used.
- The functions, composition and design of this app are subject to change without notice.
- Bluetooth should be enabled in your Android device settings.
- This app instruction manual is provided in PDF format.
 The tap link* function is partially supported in this instruction manual.



* The tap link function

If the symbol on the left (tapping finger) is displayed in the instruction manual, the page for the next step will appear when you tap the related icon.

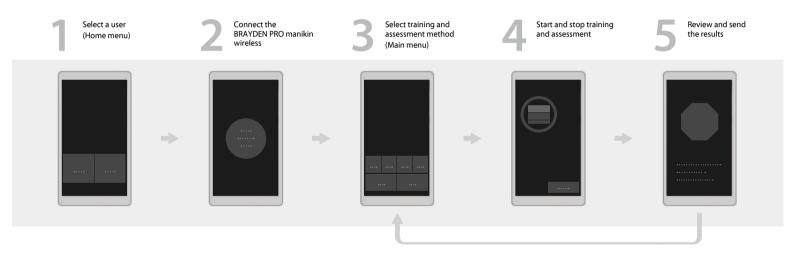
When you tap the top right corner of each page in the instruction manual, the Table

of Contents page will appear.

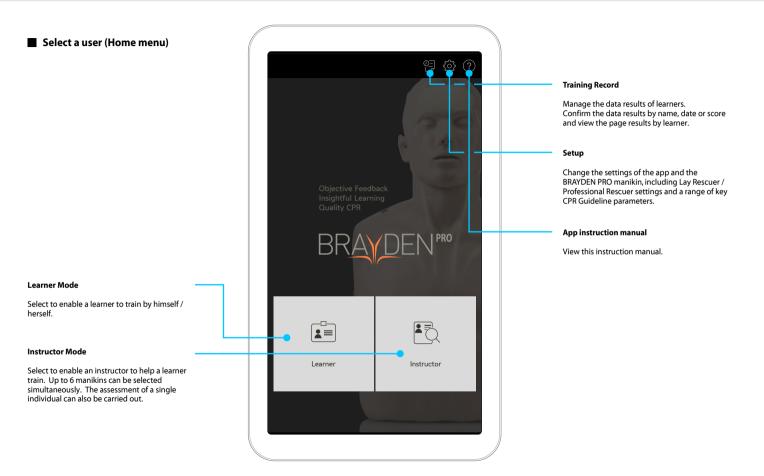
The tap link function may not be supported depending on the PDF viewer app you use.



■ Summary of BRAYDEN PRO app











Connecting with the BRAYDEN PRO manikin



 Select Learner Mode or Instructor Mode from the Home menu.



≥≡

Learner

Instructor

- Turn on the manikin's power switch. (The Bluetooth button of the manikin will flash every 2 seconds.)
- Click the circular Search for an available manikin button.



- Turn on the manikin's power switch. (The Bluetooth button of the manikin will flash every 2 seconds.)
- A list of 6 minikin options will appear.
 Select the Search for an available manikin button for the manikin you intend to use.



3. Select the relevant manikin from the Bluetooth list. If the item does not appear, click the **Rescan** button.



Move to the Main menu

 Once the connection is made, the Bluetooth button of the manikin will illuminate blue and the screen will move to the Main menu.



 Select the relevant manikin from the Bluetooth list.
 If the item does not appear, click the **Rescan** button



Move to the Main menu

- Once the connection is made, the same light position on the manikin and that displayed on the app will illuminate.
- The **Bluetooth button** of the manikin will illuminate blue.

Repeat steps 1 to 5 when connecting to 2 or more manikins at the same time.

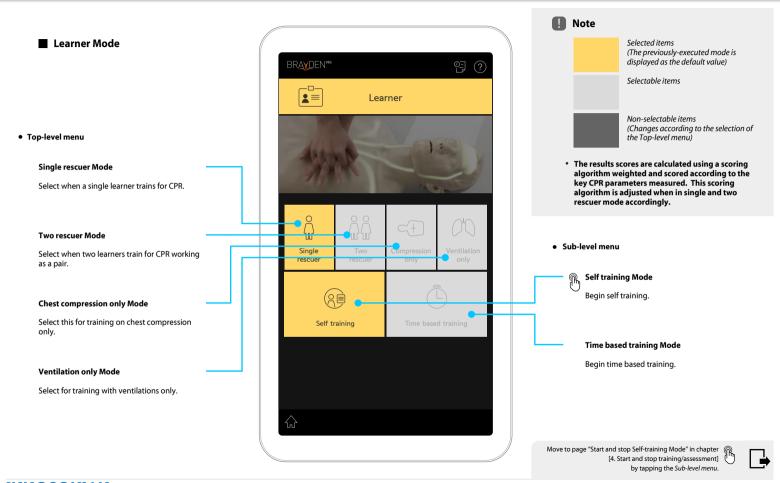
6. Move to the **Main menu** by tapping the button at the bottom.



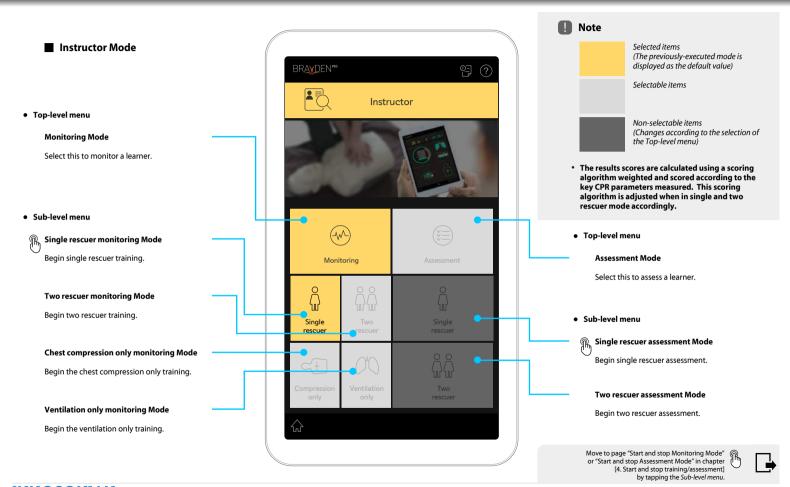
- Bluetooth should be enabled in the Android device settings.
- Once the connection is made for the first time, the manikin and app will connect automatically.



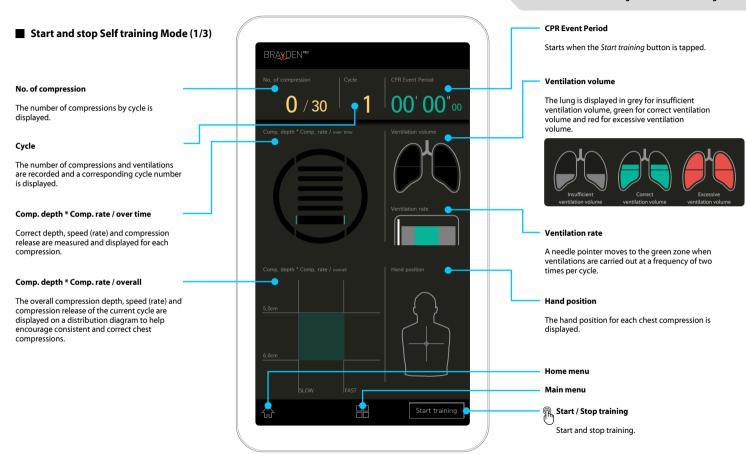














■ Start and stop Self training Mode (2/3)

Comp. depth * Comp. rate / over time

Detailed analysis is displayed for each chest compression.

No chest compression release indicator lamp

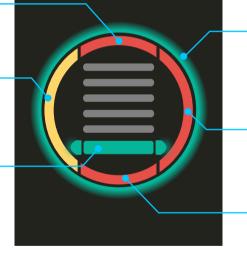
Illuminates red when compression is not released properly.

Slow chest compression speed indicator lamp

Illuminates yellow when chest compression speed is too slow.

Normal chest compression depth indicator lamp

Illuminates green when chest compression depth is optimal.



Optimal chest compression indicator lamp

When both compression speed and compression depth are optimal, a green circle will appear.

Fast chest compression indicator lamp

Illuminates red when chest compression speed is too fast.

Excessive compression indicator lamp

Illuminates red when compression depth is too deep.

Note

 If no chest compression is carried out for 3 seconds or more, the screen will change to the Hands-off time screen, indicating no compressions performed until the next chest compression is performed.

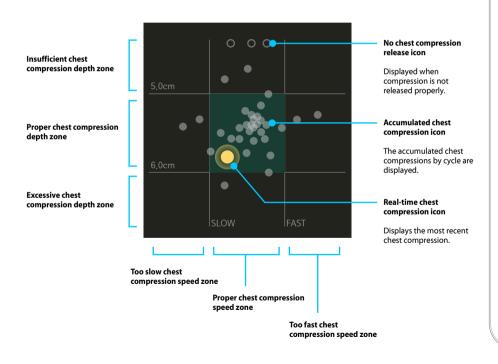


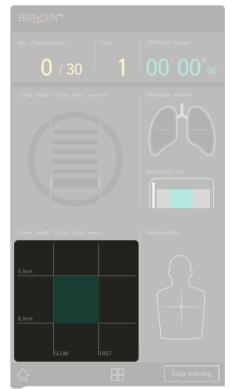


■ Start and stop Self training Mode (3/3)

Comp. depth * Comp. rate / overall

The accumulated record by cycle is displayed to promote consistent chest compression performance.





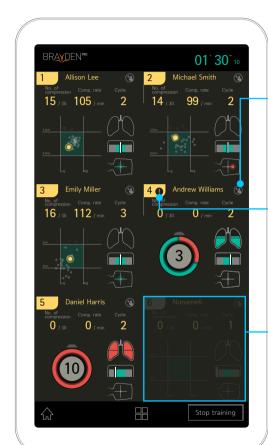
Move to page "Review the learner Mode results" in chapter
[5. Review and send the results]
by tapping Stop training.





Instructor / Monitoring / Single rescuer Mode

Start and stop Monitoring Mode



Change learner

When you tap the Change learner icon, the entered name on the left will be reset to noname (number).

Tap noname (number) and enter the new learner information.

Manikin troubleshooter indicator

This is displayed when an abnormality is detected according to the self-check results of the BRAYDEN PRO manikin.
Check the details by tapping it.

* If this icon is displayed, check the details and contact the place of purchase or a service center in your area.

The BRAYDEN PRO manikin "No connection" window

If a BRAYDEN PRO manikin is not connected, the related area will become inactive.

Move to page "Review the Instructor Mode results" in chapter

[5. Review and send the results]

by tapping Stop training.







- Simultaneous monitoring is available in real time by connecting up to 6 BRAYDEN PRO manikins.
- For detailed descriptions of items, refer to the [Start and stop Self-training Mode] page.

Instructor / Assessment / Single rescuer Mode

■ Start and stop Assessment Mode

When this is area is highlighted by tapping on it, the event items listed below will be highlighted and enabled. These event items can be recorded by tapping each item as the assessment is correctly carried out. These items, however, are not reflected in the scoring algorithm.

When this item is marked, the event item at the bottom will be enabled.

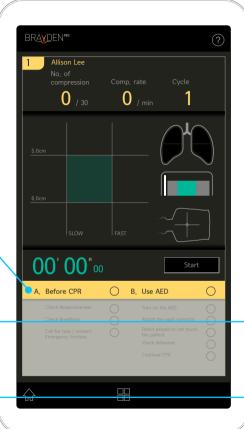
The enabled event item is entered during assessment but is not reflected in the results score.

Retry

Tap when you wish to carry out another assessment without leaving the results after the assessment begins.

Shock delivered

Records the number of shocks whenever the relevant item is tapped.



Note

• Carry out separate assessments using one manikin selected from up to 6 connected BRAYDEN PRO manikins.

* Start assessment

Record the event items in real time as the learner carries out the assessment.

The time that each event item has been recorded can be observed on the results page.



Move to page "Review and send the detailed results" in chapter [5. Review and send the results] by tapping Stop.







Review the Learner Mode results

CPR parameters are displayed on a pictorial diagram which are scored against a theoretical perfect score. An overall Quality Score is also displayed.

Compression depth

Illustrates the chest compression depth performance in accordance with the parameters

Compression release

Illustrates the chest compression release performance.

Compression rate

Illustrates the chest compression rate performance in accordance with the parameters set

Score of chest compression fraction

Measures the hands off time (as a percentage of total CPR time) but converted into a maximum score out of 100.

Hand position

Records the accuracy of the chest compression hand position.

No. of compression

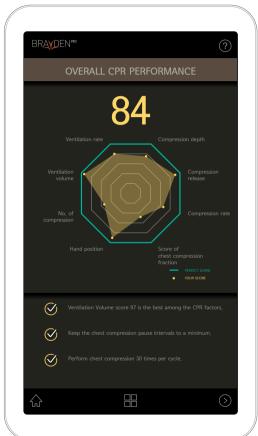
Illustrates the accuracy of counting the correct number of compressions per cycle.

Ventilation volume

Illustrates the ventilation volume performance recorded in accordance with the parameters set.

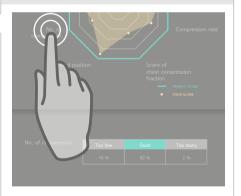
Ventilation rate

Illustrates the ventilation rate performance recorded.



* Detailed data

When you tap each item, the detailed results of the relevant item will be displayed at the bottom.



Move to page "Review and send the detailed results" in chapter [5. Review and send the results] by tapping (>) button at the bottom.





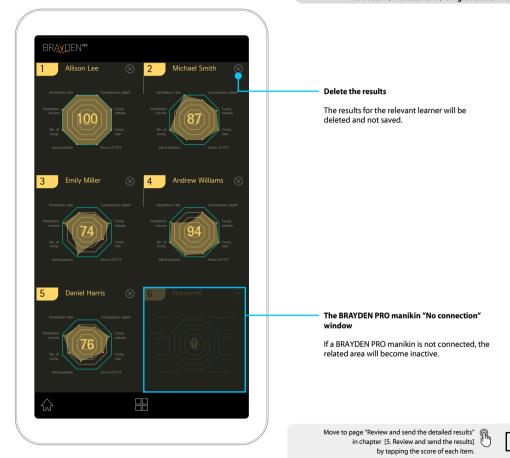




Instructor / Monitoring / Single rescuer Mode Instructor / Assessment / Single rescuer Mode

■ Review the Instructor Mode results

When you tap the score of each item, the results screen for the relevant learner will be displayed.





Learner / Single rescuer / Self training Mode Instructor / Monitoring / Single rescuer Mode

Review and send the detailed results

- Self training Mode, Monitoring Mode

Training Mode

The Training Mode is displayed.

Subject

A subject selected from the Settings screen is displayed.

- Lay Rescuer
- P Professional Rescuer

1st average ventilation volume

2nd average ventilation volume

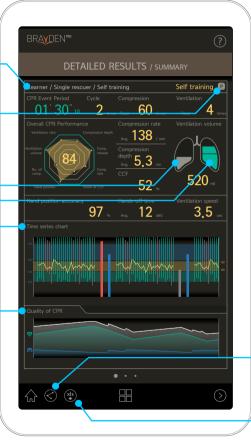
Time series chart

Chest compression depth, chest compression speed and ventilation rate are displayed in chronological order.

Quality of CPR

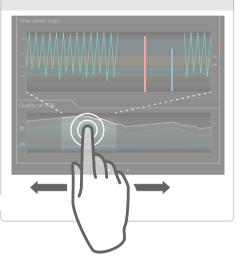
The trend of chest compression quality (green line) and ventilation quality (blue line) is recorded over time and the trend for overall CPR quality (white line) is displayed.

When you tap the graph, you can enlarge and scroll* it.



*Enlarge and scroll

When you tap the **Quality of CPR** trend screen, the corresponding area of the **Time series chart** is enlarged and highlighted (*showing 15 seconds of activity*). Tap again to return to the full screen.



Send a file in an image format

You can convert the results to a PNG file and send it by e-mail, share it on social media, or save it; other options are also available.

Send a file in document format

You can also convert the results into an XLS file and send by e-mail or save it.



Instructor / Assessment / Single rescuer Mode

Review and send the detailed results

- Assessment Mode





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