# BRAYDEN PRO

# App instruction manual

Rev. 1.0

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#### 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.

#### Table of Contents



# Note

- 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

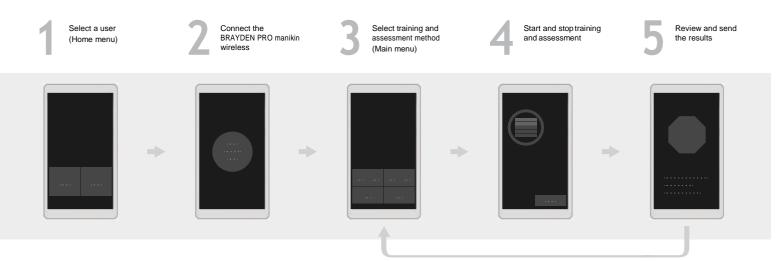
If the symbol on the left (tapping finger) is displayed in the instruction manual, the page for the next step will appear when you tap the related icon.

When you tap the top right corner of each page in the instruction manual, the Table of Contents page will appear.

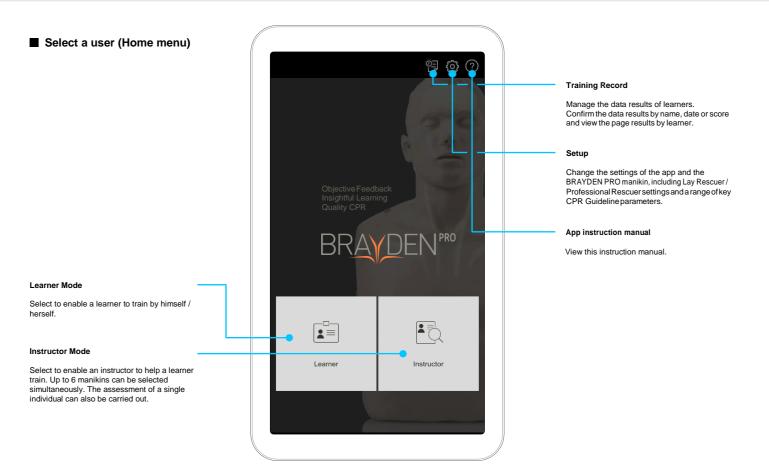
The tap link function may not be supported depending on the PDF viewer app you use.





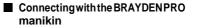








# 2. Connect the BRAYDEN PRO manikin wireless





Instructor



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



3. Select the relevant manikin

click the Rescan button.

If the item does not appear,

from the Bluetoothlist





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**.



) Move to the Main menu

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- ' Note

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.

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Select Learner Mode or Instructor Mode

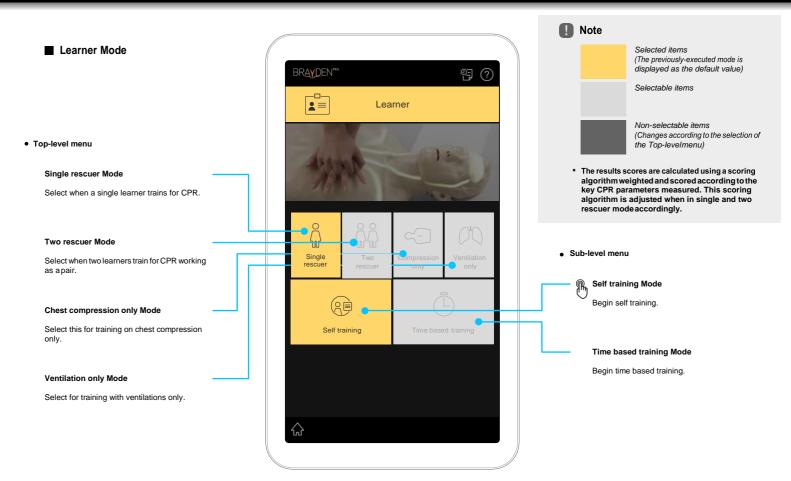
from the Home menu.

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- 1. 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 Bluetoothlist. If the item does not appear, click the **Rescan** button.
- 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 5 / 16 English

button at the bottom.



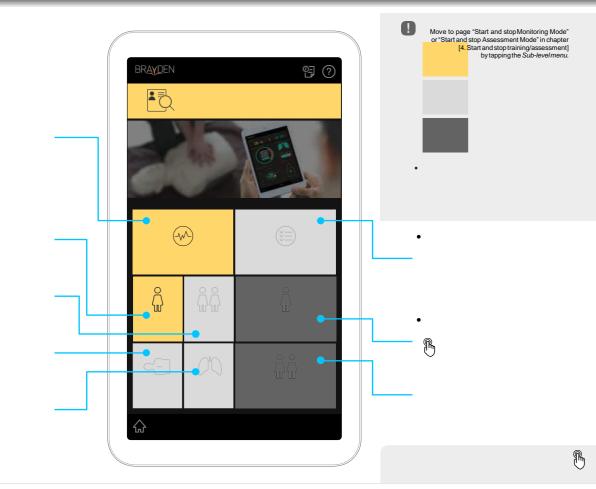


Move to page "Start and stop Self-training Mode" in chapter [4. Start and stop training/assessment] bytapping the Sub-leve/Imenu.



Begin the ventilation only training.

Note Instructor Mode Selected items (The previously-executed mode is displayed as the default value) PRO Selectable items Instructor Top-level menu Non-selectable items (Changes according to the selection of Monitoring Mode the Top-levelmenu) Select this to monitor a learner. The results scores are calculated using a scoring algorithm weighted and scored according to the key CPR parameters measured. This scoring algorithm is adjusted when in single and two rescuer mode accordingly. Sub-level menu Top-level menu Single rescuer monitoring Mode Assessment Mode Begin single rescuer training. Monitorina Select this to assess a learner. Two rescuer monitoring Mode Begin two rescuer training. Sub-level menu Sinale Two Sinale rescuer rescuer rescuer Single rescuer assessment Mode Chest compression only monitoring Mode Begin single rescuer assessment. Begin the chest compression only training. Ventilation Two Two rescuer assessment Mode rescuer Ventilation only monitoring Mode Begin two rescuer assessment.

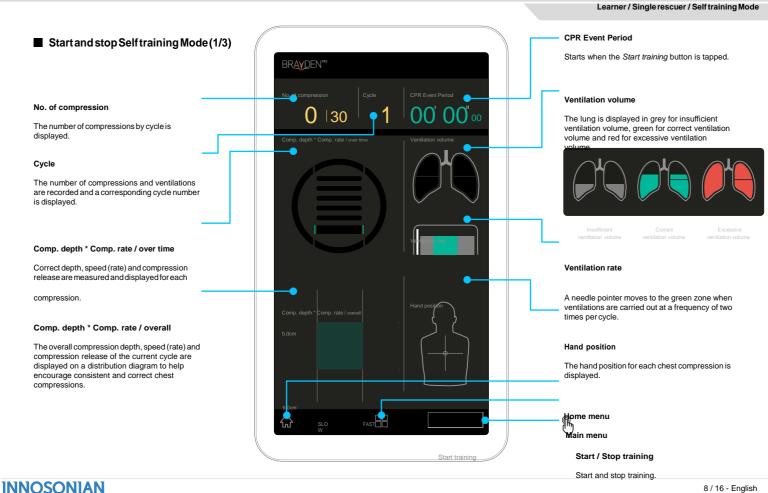


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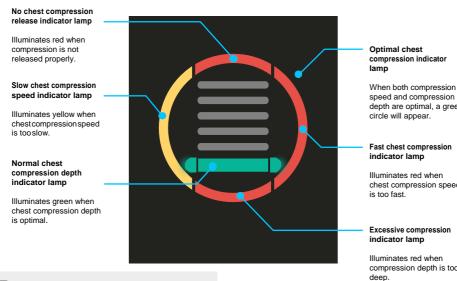


Learner / Single rescuer / Self training Mode

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

#### Comp. depth \* Comp. rate / over time

Detailed analysis is displayed for each chest compression.



# 00 00 00 depth are optimal, a green chest compression speed compression depth is too

# 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 isperformed.

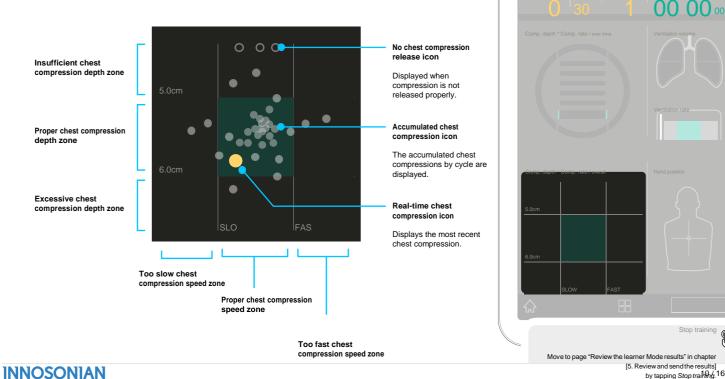


Learner / Single rescuer / Self training Mode

#### 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.



by tapping Stop trailing 16 - English

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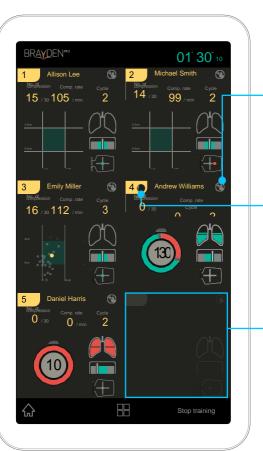
Instructor / Monitoring / Single rescuer Mode

Start and stop Monitoring Mode



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



#### 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 contacttheplaceofpurchaseoraservicecenterin your area.

# The BRAYDENPRO 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.





Instructor/Assessment/SinglerescuerMode

#### 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

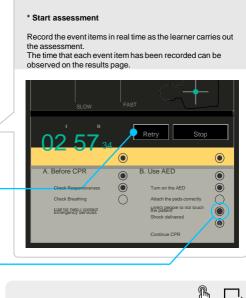
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Records the number of shocks whenever the relevant item is tapped.



# Note

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



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

by tapping Stop.



#### Learner / Single rescuer / Self training Mode

#### 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 set.

#### 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.

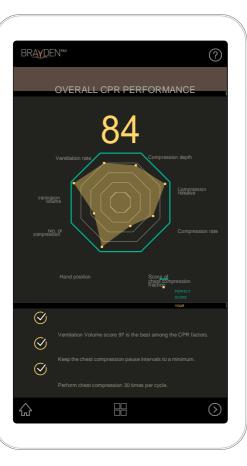
#### Ventilation volume

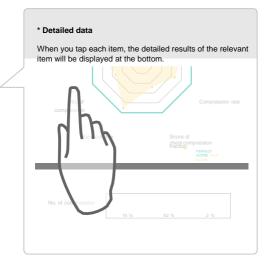
Illustrates the ventilation volume performance recorded in accordance with the parameters set.

#### Ventilation rate

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Illustrates the ventilation rate performance recorded.





Move to page "Review and send the detailed results"

in chapter [5. Review and send the results] by tapping b utton at the bottom.



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# 5. Review and send the results

#### 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.

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1 Allison Lee	
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	Move to page "Review and send the detailed results"

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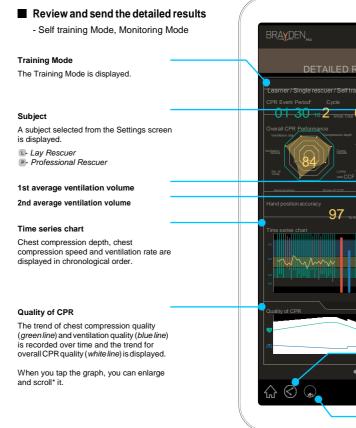
by tapping the score of each item.

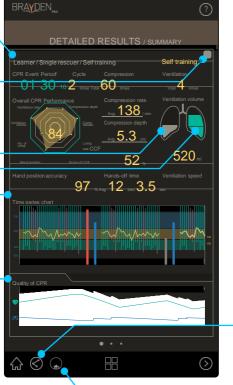


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### 5. Review and send the results

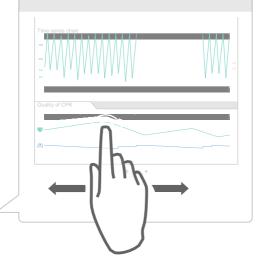
#### Learner / Single rescuer / Self training Mode Instructor / Monitoring / Single rescuer Mode





#### \*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.



# 5. Review and send the results

#### Instructor/Assessment/SinglerescuerMode

Review and send the detailed results

- Assessment Mode





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