

App instruction manual

# INNOSONIAN

60

## 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





## Summary of BRAYDEN PRO app









## 2. Connect the BRAYDEN PRO manikin wireless





Instructor



 Select Learner Mode or Instructor Mode from the Home menu.



- 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.



- Turn on the manikin's power switch. (The Bluetooth button of the manikin will flash every 2 seconds.)
- 2. 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.



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.
- 5. 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.

# 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.



## 3. Select training and assessment method (Main menu)





## 3. Select training and assessment method (Main menu)





Learner / Single rescuer / Self training Mode





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.

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.

## 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.



**Optimal chest** 

circle will appear.

indicator lamp

indicator lamp Illuminates red when

deep.

is too fast.

Illuminates red when

lamp

# compression indicator When both compression speed and compression depth are optimal, a green Fast chest compression chest compression speed Excessive compression compression depth is too



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.







Instructor / Monitoring / Single rescuer Mode

Start and stop Monitoring Mode



**INNOSONIAN** 

- 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.



#### **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.





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

**INNOSONIAN** 

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

|  |  | ? |
|--|--|---|
| 1 Allison Lee<br>No. of<br>compression<br>0 / 30 | Comp. rate Cycle 0 / min 1   |   |
| <u>5.0cm</u>                                     |  |   |
| 6.0cm  | FAST   |   |
| 00' 00"00  | Start  |   |
| Check Responsiveness                             | B. Use AED       Turn on the AED       Attach the pads correctly             |   |
| Call for help / contact<br>Emergency Services    | Direct people to not fouch<br>the patient<br>Shock delivered<br>Continue CPR |   |
|  |  |   |



 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.





#### 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

INNOSONIAN

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 (5) button at the bottom.





**INNOSONIAN** 

## 5. Review and send the results



Review the Instructor Mode results

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





## 5. Review and send the results

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



#### \*Enlarge and scroll

3.5

When you tap the **Ouality 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

DETAILED RESULTS / SUMMARY Allison Lee 57 03 48 2 138 5.3 520 51 97 12 sec 3.5 • • • 



# **INNOSONIAN**

## Innosonian, Inc.

3F, 10-11, Seocho-daero19-Gil, Seocho-Gu, Seoul, 06573, Republic of Korea

Tel. +82-2-533-9410 Fax. +82-70-8673-5285 Email info@innosonian.com www.innosonian.com

## Innosonian Europe

Unit 1, Chancerygate Way, Farnborough, Hampshire, GU14 8FF, UK

Tel. +44-3333-445534 Email enquiries@innosonian.eu www.innosonian.eu

