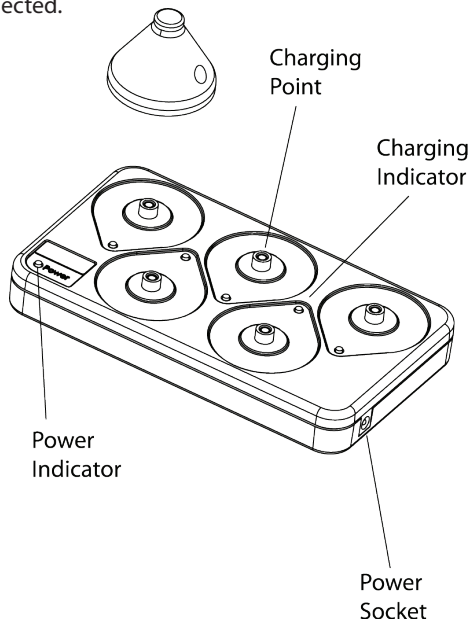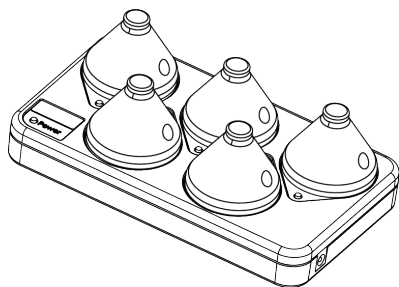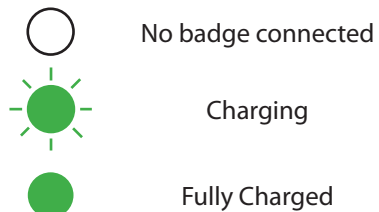## ① Charging the doseBadge

The doseBadge must be fully charged before use.

Carefully attach the doseBadge to the CU Series Charger system and connect the power supply.

doseBadge units can be attached when the power is connected.

Charging Point

Charging Indicator

Power Indicator

Power Socket

A Red Power Indicator will show when the power supply is connected.The indicators will show the current charge status as shown below.

○ No badge connected

☀ Charging

● Fully Charged

This Quick Reference Guide refers to the CR:110A & CR:110AIS versions of the doseBadge Personal Noise Dosemeter only when used with the CU:110A Charger Unit.

Please read and understand the User Manual before using this equipment. This guide should only be used as a reference *after* the User Manual has been fully read.

Failure to follow the instructions given in the User Manual may result in errors in the measurement procedure.

Ensure that the doseBadge has been fully charged , reset and calibrated before use.

If the doseBadge has not been used for more than 1 hour, it will be in Sleep Mode and must be activated before it can be used. Refer to the User Manual for details of the **"Shake-to-Wake"** function.

The doseBadge is programmed during the Reset procedure (Step 2) with the current configuration of the Reader unit.

Ensure that the configuration is set to meet any Regulations or Legislation that are required.

Ensure that the clock of the Reader Unit is set before making any measurement.

Refer to the User Manual for details of how to set the clock of the Reader Unit.

Quick Reference Guide

CR:110A & CR:110AIS doseBadge Personal Noise Dosemeter

Cirrus Research plc
dedicated to noise measurement

v1.0.4

2) Reset & Calibrate the doseBadge

If the doseBadge has not been used for 1 hour, it will be in Sleep Mode. When the doseBadge is removed from the Charger Unit, it will usually wake and the indicator will flash.

To check if the doseBadge is asleep, point the Reader at the doseBadge and press the STOP button.

If the doseBadge does not respond to the Stop command from the Reader Unit by the indicator flashing, it is in Sleep Mode.

a) Shake the doseBadge to wake the unit from Sleep Mode

The doseBadge must be shaken gently in the correct direction to activate the internal sensor. When the sensor is activated, the Blue status indicator will flash twice.

b) Insert the doseBadge into the calibrator cavity. Align the InfraRed windows of the doseBadge and the Reader Unit.

c) Press the RESET button then the OK button to clear the memory of the doseBadge and to program the doseBadge.
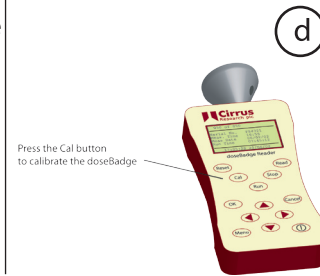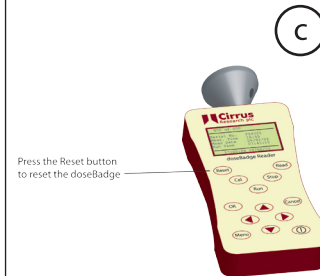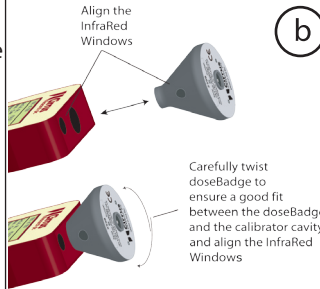
The timing bar will move across the screen during the reset procedure. The doseBadge indicator will flash twice when the Reset procedure is complete.

d) Press the CAL button to calibrate the doseBadge. The timing bar will move across the screen twice before the display confirms the calibration.

If an error occurs, press the CANCEL button and retry.

Do not use the doseBadge until the RESET and CAL procedures are complete.

Shake the dosBadge in this direction to activate the sensor and wake the instrument

The status indicator will flash twice when the doseBadge wakes

The doseBadge may not wake if shaken in this direction

(a)

Align the InfraRed Windows

Carefully twist doseBadge to ensure a good fit between the doseBadge and the calibrator cavity and align the InfraRed Windows

(b)

Press the Reset button to reset the doseBadge

(c)

Press the Cal button to calibrate the doseBadge

(d)

3) Mounting the doseBadge

Secure the doseBadge to the Mounting Clip by screwing the mounting plate into the bottom of the doseBadge with the Mounting Clip between the doseBadge and the mounting plate.
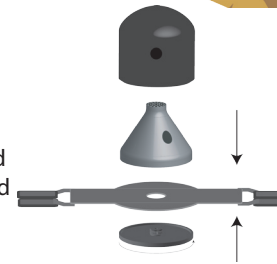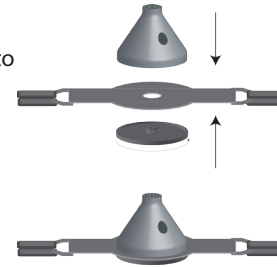
Secure the doseBadge onto the wearer using the clips.

The doseBadge InfraRed window should be at the front to ease the starting and stopping of the doseBadge. The doseBadge should be mounted within 10cm (4") of the ear.

Ensure that the doseBadge is not touching anything.

If the optional doseBadge Windshield is to be used, the doseBadge should be pushed inside the windshield and the baseplate screwed onto the unit.

The foam base of the Windshield should be trapped between the doseBadge and the baseplate.

Mount the doseBadge within 10cm (4") of the ear.

4) Starting the doseBadge

Indicator flashes when the doseBadge is running

Align the Infra-Red windows between the Reader and doseBadge

Press the Run button to start the doseBadge

Press the RUN button to start the doseBadge. The timing bar will move across the screen to show that the doseBadge and Reader are communicating.

Do not move the Reader unit away from the doseBadge until the Blue status indicator in the doseBadge is flashing.
When the indicator is flashing, the doseBadge is measuring.

5) Stopping the doseBadge

Press the STOP button to stop the doseBadge.

When the doseBadge stops, the indicator will remain lit for 1 second, and then go out.

The doseBadge can now be removed from the worker and is ready for download.

Press the Stop button to stop the doseBadge
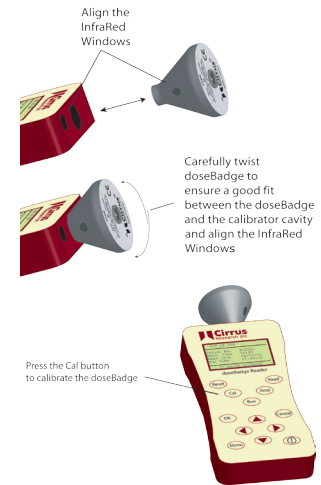
6) Recalibrating the doseBadge

The doseBadge can be recalibrated at the end of a measurement. This step is optional.

a) Insert the doseBadge into the calibrator cavity.

b) Align the InfraRed windows .

c) Press the CAL button to calibrate the doseBadge. .

Do not remove the doseBadge from the cavity until the CAL procedure is complete.

Align the InfraRed Windows

Carefully twist doseBadge to ensure a good fit between the doseBadge and the calibrator cavity and align the InfraRed Windows

Press the Cal button to calibrate the doseBadge

7) Reading the doseBadge

To read the data from the doseBadge, press the READ button. The Reader will download the measurement from the doseBadge.

During the download, the Reader will display a timing bar that shows the progress of the download.

When the download is complete, the Reader unit will display the measurement information. Use the UP and DOWN arrow keys to view the different measurement data.

Please refer to the User Manual for details of the measurement data that is displayed.

Press the Read button to download the measurement data from the doseBadge to the Reader