EZ Link
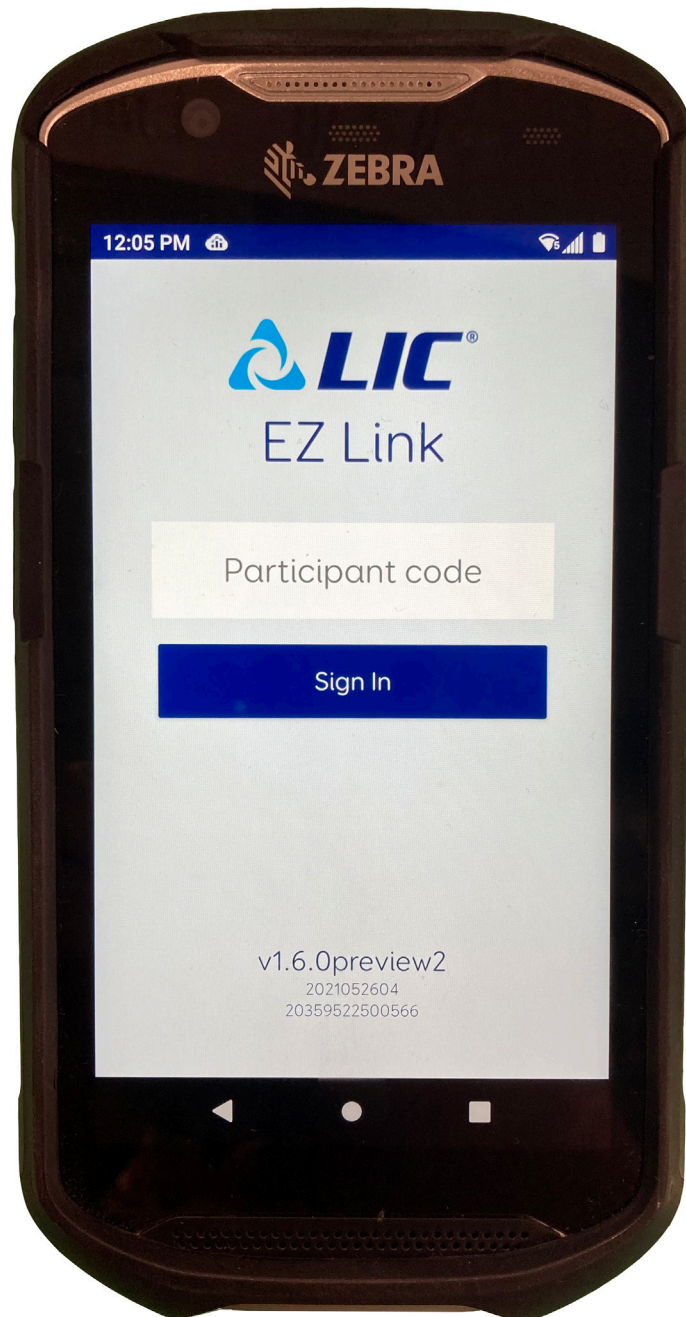# User Guide

If you need any further assistance call the EZ Link Support Line 0800 439 5465
(0800 4 EZLINK)

Contents

Power button

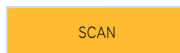Press and hold down once.

If the screen does not light up. Hold the Power Button down until the screen turns on.

Scanning lens

Scanning

There are scanning buttons on either side of the device. There will also be a scan button on screen when required.

SCAN

Scan → ← Scan
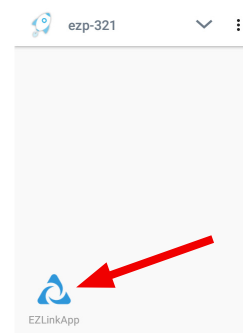
10:00
Thursday, September 27

Unlock Screen

Unlock device by swiping the screen upwards.

Remove from Charger

To unclip from the charger push one side of the charger clip outwards.

Home screen

If you find yourself at this screen, Tap on the blue EZ Link App symbol to take you back into the app.
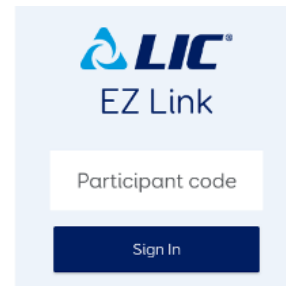
ezp-321

EZLinkApp

EZ Link App

Logging in

1. Enter your participant code.

   If you are unsure of your code refer to the sticker on device or EZ Link box.
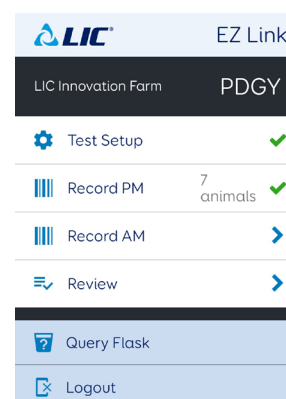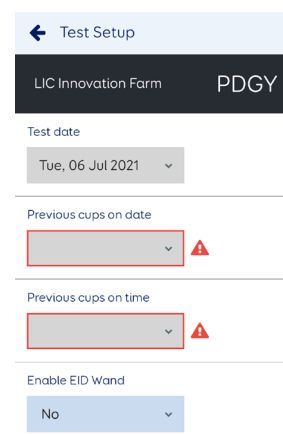
2. Select 'Sign In'.

Home page

- Green tick indicates an action is complete
- If a field is greyed out (e.g. Record AM) it indicates the test setup is incomplete or the previous session does not have any animals recorded in it.
- Shows how many animals are recorded in each session.
- Review
  - o   Look up and edit sampled animals.
- Query Flask
  - o   Scan flask to find out which animal it is allocated to.
- Logout
  - o   At end of session.

Test setup

1. Fill out mandatory fields
   - Previous cups on date
   - Previous cups on time.
2. Optional settings
   - Enable EID wand - Yes/No (EID wands booked through LIC).
   - Alternate scan - On/Off (herringbone only)
     - o   On – Enter animal ID, scan flask, enter animal ID, scan flask
     - o   Off – Enter all animal IDs in the row, then scan all flasks in the row.
3. Select   NEXT   to save your changes.
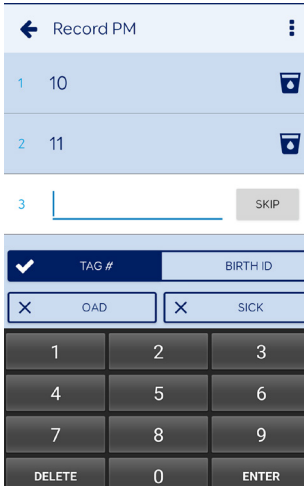
Record – Alternative Scan ON

Enter animal ID, scan flask, enter animal ID, scan flask

1. Enter animal ID.
2. Scan flask.
3. Blue flask 🗑 indicates successful scan.
4. Continue entering animal IDs and scanning flasks until end of row.
5. Select ➕ ADD EXTRA BAIL if there is an extra animal to record in the row.
6. To finish row scroll to bottom of record screen and select COMPLETE ROW
7. When finished session select ← to go back to home screen.
8. Select 'Logout'.

Record – Alternative Scan OFF

Enter all animal IDs in the row, then scan all flasks in the row

1. Enter all animal IDs in the row.
2. Select ➕ ADD EXTRA BAIL if there is an extra animal to record in the row.
3. Select SCAN FLASKS
4. Scan all flasks in row.
5. Blue flask 🗑 indicates successful scan.
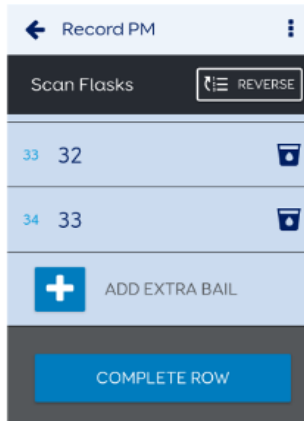6. To finish a row, scroll to bottom of record screen and select COMPLETE ROW
7. When finished session select ← to go back to home screen.
8. Select 'Logout'

Reverse record/scan

Select ⫶ REVERSE to change bail numbers from ascending to descending

| If	Then
Alternative scan ON	Select before entering first animal ID in row
Alternative scan OFF	Select before entering any animal IDs or before scanning any flasks

Add missed animal (Alternative Scan OFF)

A missed animal can be added while recording animal IDs in a herringbone shed.

1. Tap on the bail where the missed animal should be.

2. Tap 'Add missed animal'.

This action moves all animals entered down one bail.
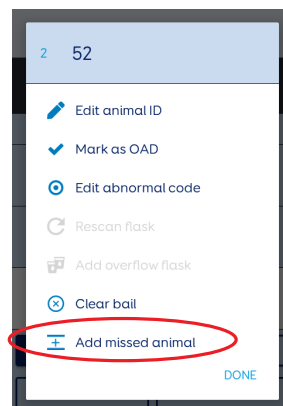
Add missed flask (Alternate scan OFF)

1. Tap on the 3 dots in top right hand corner of record screen.

2. Tap 'Add Missed Flask'.

3. Scan back through flasks until missing flask is located.

4. When missing flask is found users will be prompted to scan remaining flasks in the row.
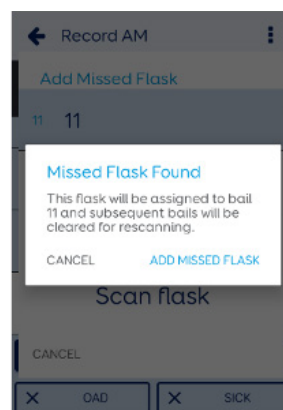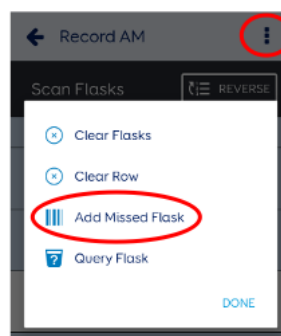
Short row - skip all remaining empty bails

1. Scroll to bottom of record screen.

2. Select [SCAN FLASKS]

3. Confirm by selecting 'Begin scanning' on warning.

Clear flasks

1. Tap on the 3 dots in top right hand corner of record screen.

2. Select 'Clear Flasks'.

3. All flasks scanned in row will be cleared.

Clear Row (Animal ID & Flask)

4. Tap on the 3 dots in the top right hand corner of record screen.

5. Select 'Clear Row'.

6. All animal IDs and flasks in row will be cleared.
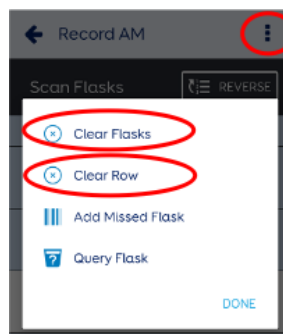
Rotary

Record

Enter animal ID, scan flask, enter animal ID, scan flask

1. Enter animal ID.
2. Scan flask.
3. Blue flask [icon] indicates successful scan.
4. Continue entering animal IDs and scanning flasks until the end of the session.
5. If there is an empty bail, select SKIP
6. When finished session select ← to go back to home screen.
7. Select 'Logout'.

Reverse record/scan

Select [REVERSE icon] to change bail numbers from ascending to descending – Must be selected before any animals are recorded in the session.

Slow milking animal

If	Then
Animal goes around rotary with no change of flask	• Skip the bail or • Record the animal and flask again – EZ Link will recognise the animal as a slow milker
Animal goes around rotary and flask is changed	• Duplicate animal screen will appear with option to record second flask as **overflow** [icon] Mark as overflow

Enter animals

- Enter animal ID using keypad on device.
- Press [ENTER] to move to the next action.
- To record a Birth ID tap the button circled in red to the right.
- The format for recording Birth IDs is PTPT-YY-XXX.
  - o Example: PDGY-17-123
  - o The dash in between fields automatically generates – users do not need to add it.
- The participant field is pre-filled with the herd's participant code, to remove this use the [DELETE] button.

Enter animal ID via EID wand - supplied by LIC

1. Enable EID wand in Test Setup by changing from No to Yes.
2. Select [NEXT]
3. Go back into either 'Record AM' or 'Record PM'.
4. Tap [icon] in top right hand corner of record screen to enable EID wand.
5. Icon will change when EID wand is connected [icon]

Edit animal ID

1. Tap on the bail with the animal ID you wish to edit.
2. Select Edit animal ID.
3. Use the [DELETE] button on the keyboard to remove the incorrect number.
4. Re-type correct animal ID.
5. Select SAVE.

ᴍ? Animals unknown to MINDA®

- Herd details are pre-downloaded into EZ Link from MINDA.
- Animals not recorded in MINDA will show with ᴍ? symbol.
- Duplicate animals designated with animal IDs of 10,001 or higher will also display with ᴍ? symbol.
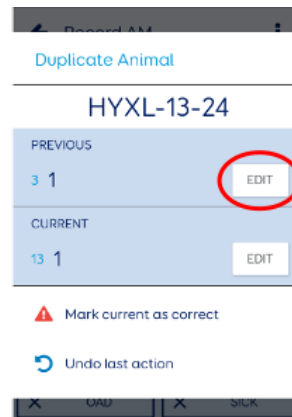- Animals unknown to MINDA can be viewed and edited in the review screen.

Duplicate animals

If a duplicate animal is recorded the screen to the right will display.

- Select 'EDIT' to change an animal ID.
- If you mark current as correct the incorrect animal will display with 10,000 in front of the ID.

  For example: If there is a duplicate of cow 50, the incorrect animal will display as 10050.

- Animals marked as duplicate will show as 'Unknown to MINDA'
- If the duplicate is in the same bail users will be given the option to record an overflow flask.
- Duplicate animals can be viewed and edited in the review screen.

OAD animals

There are two ways to record OAD animals.

1. Tap on the OAD button once to mark one animal as OAD.
2. Tap on the OAD button twice to record multiple animals as OAD.
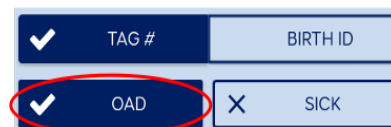
   The icon will display with lock symbol

3. Confirm 'LOCK OAD'.
4. To turn off OAD, tap the button again.

Or

1. Tap on animal ID to bring up edit options.
2. Select 'Mark as OAD'.

To **unmark** as OAD

1. Tap on animal ID to bring up edit options.
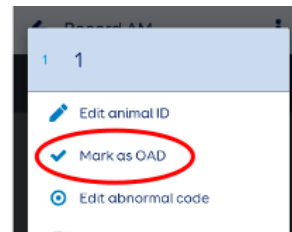2. Select 'Unmark as OAD'.

Sick Animals

There are two ways to record an animal as sick.

1. Tap on the SICK button once to mark one animal as sick.
2. Tap on the SICK button twice to record multiple animals as sick.

   The icon will display with lock symbol

3. Confirm 'LOCK SICK' on.
4. To turn off SICK, tap again.

Or follow the steps for Adding/Editing an abnormal code on page 10.
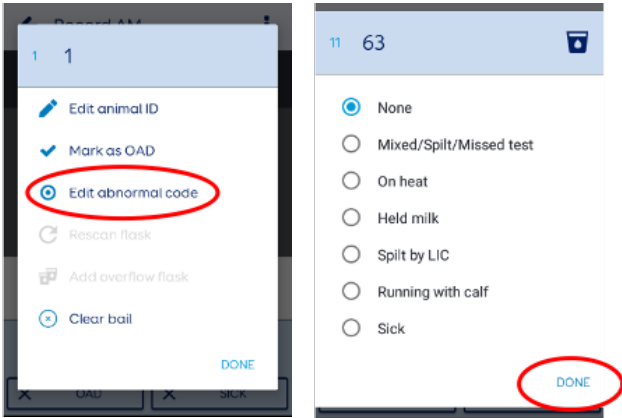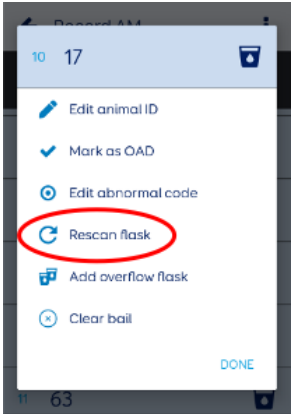
Adding/Editing an abnormal code

1. Tap on animal ID to bring up edit options
2. Select 'Edit abnormal code'
3. Select appropriate abnormal code
4. Select 'DONE'

Re-scan flask

1. Tap on animal ID to bring up edit options.
2. Select 'Re-scan flask'.

Duplicate flask

If	Then
The duplicate flask is in the same row (herringbone) or rotation (rotary).	Users are given the below options. ↻ Rescan previous flask ↻ Rescan current flask ⚠ Mark samples as mixed ↩ Undo last action
The duplicate flask is NOT in the same row (herringbone) or rotation (rotary).	Users are given the below options. ↻ Rescan current flask ⚠ Mark samples as mixed ↩ Undo last action

## Overflow flask

There are 3 ways users can record an overflow flask.

1. Tap on animal ID to bring up edit options – select Add overflow flask.

2. In a rotary if an animal goes around twice a pop-up will show she is a duplicate and users will be given the option to mark second sample as overflow | Mark as overflow |

3. Review screen – tap on animal ID – users will be given the option to add overflow flask for either the PM or AM session.
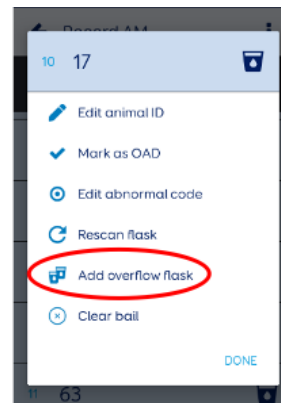
Clear Bail (Delete animal and flask)

1. Tap on animal ID to bring up edit options – select clear bail.

2. User will be asked to confirm.

3. Animal ID and flask will be deleted.
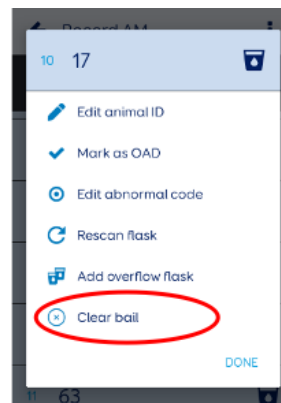
Query flask

Use when uncertain whether a flask has been scanned.

1. Find query flask on home screen or tap on 3 dots in top right hand corner of record screen.

2. Select 'Query Flask'.

3. Scan the flask in question.

4. Animal ID of linked flask will display – or will display 'no record found'.

5. User is then able to scan another flask (if required).
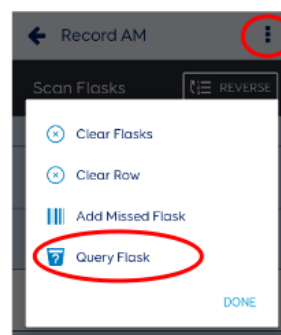
Review

Users are now able to review throughout a milking session

- Search by entering animal ID next to 🔍
- Edit by tapping on the animal ID.
- Users can filter by the following:
    - o Duplicate animals
    - o Unknown to MINDA
    - o No calving date
    - o Single-sample animals
    - o Lactating animals not sampled
    - o OAD
    - o Abnormal code animals.

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