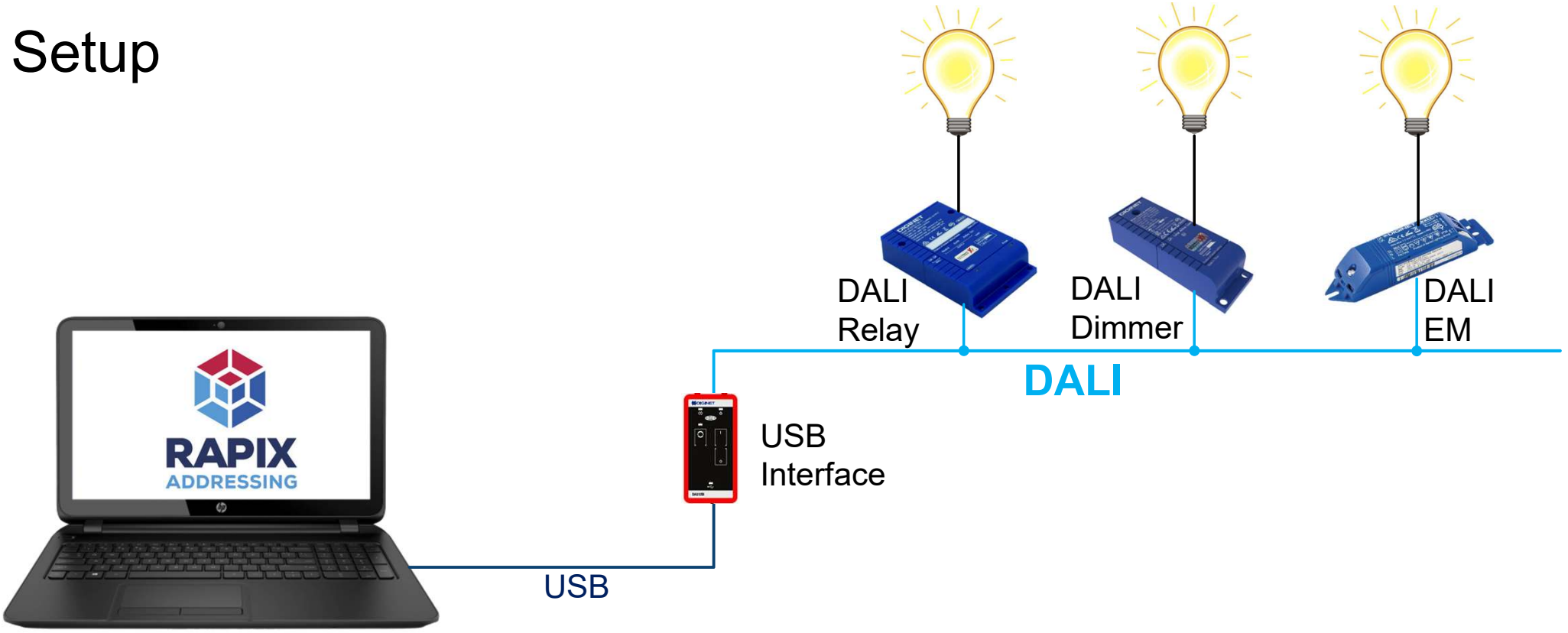
RAPIX TRAINING EXERCISES

RAPIX ADDRESSING

RAPIX ADDRESSING

Setup



RAPIX ADDRESSING

Exercise 1 - Scan DALI Line and set Short Addresses

1. Using UDID
   - Connect USB Interface to DALI Line
   - Use buttons to switch DALI Devices on and off
2. Prepare RAPIX Addressing
   - Install RAPIX Addressing
   - Connect Laptop to DALI using USB Interface
   - Run RAPIX Addressing
   - Create new Project
   - Save project with name “Training”

RAPIX ADDRESSING

Exercise 1

3. Identify devices
   - Use the identify button
   - Use keyboard ↓ ↑ arrows to change flashing device
4. Set Addresses manually:
   - Relay: Short Address 1
   - Dimmer: Short Address 2
   - Emergency: Short Address 3

RAPIX ADDRESSING

Exercise 1

5. Unconfirm devices
6. Go Mobile
    - If laptop and phone are on same WiFi – Scan QR code with Phone
    - Otherwise – click link to open simulator
7. Click on devices to identify them
8. Use the ◄► buttons to scroll through the devices

RAPIX ADDRESSING

Exercise 1

9. Use Rapid Find to find address of relay
    - Change address to 11
10. Manually identify devices to find address of dimmer
    - Change address to 12
11. Change address of Emergency Device to 13
12. Close phone
13. Name the devices:
    - Short Address 11: “My Relay”
    - Short Address 12: “My Dimmer”
    - Short Address 13: “My EM”

RAPIX ADDRESSING

Exercise 2 - Set DALI Device Properties

1. Set dimmer properties:

1. Minimum level: 20%
2. Group 1: Yes

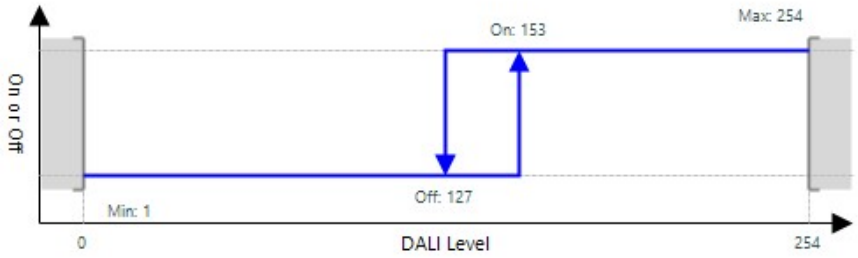
2. Check dimmer:

1. Select dimmer
2. Change level
3. Should not dim below 20%

RAPIX ADDRESSING

Exercise 2

3. Set relay properties
    1. Switch on at 60%
    2. Switch off at 50%
4. Check relay:
    1. Select relay
    2. Change level
    3. Should switch on at 60%, then off at 50%



RAPIX ADDRESSING

Exercise 2

5. Grouping:
    1. Select Groups view
    2. Add Relay (Short Address 2) to Group 1
    3. Give Group the name “Test Group”

6. Check Group:
    1. Select Group 1 at bottom of form
    2. Click Identify button
    3. Relay and dimmer should flash

RAPIX ADDRESSING

Exercise 2

7. DALI Scenes:

1. Select Scenes view
2. Set Scene 1:
   - Relay (Short Address 11): 100%
   - Dimmer (Short Address 12): 35%
3. Give the Scene the name “Test Scene”

8. Check Scene:

1. Select Scene 1 at bottom of form
2. Click Set button
3. Relay and dimmer should go to their Scene levels

RAPIX ADDRESSING

Exercise 2

9. Global Programming:
    1. Select **Program Line**
    2. Set Minimum level to 0.4%
    3. Set Group 1 to “No”
    4. Click **OK**
10. Check Global Programming
    1. Check that the minimum level of the dimmer has changed
    2. Check that Group 1 of all devices has changed

RAPIX ADDRESSING

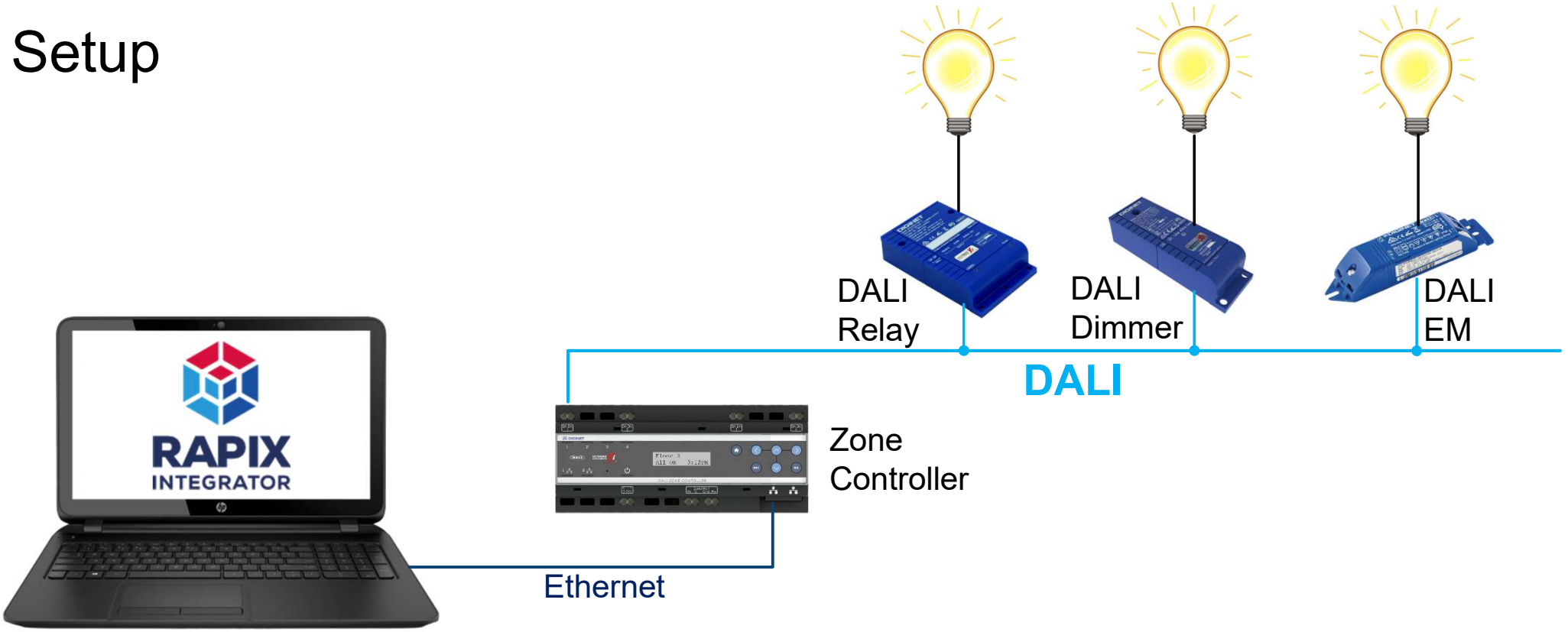
Exercise 3

- Requires an eHub

RAPIX INTEGRATOR

RAPIX INTEGRATOR

Setup



RAPIX INTEGRATOR

Exercise 1 – creating a Project

1. Preparation
   - Install RAPIX Integrator
   - Connect Laptop to Zone Controller
   - Run RAPIX Integrator
2. Create new Project
3. Add your Zone Controller
4. Name the Zone Controller “My Zone Controller”

RAPIX INTEGRATOR

Exercise 1

5. Set the site details:

- Site Name: “Training”
- Location: your current location
- Installer Name: your name
- Installer Contact: your address, email or phone number

6. Save the project with name “Training”

RAPIX INTEGRATOR

Exercise 2 – Zones and Scenes

1. The devices should have been addressed in the RAPIX Addressing training.
   - If not, set them to:
     - Relay: Short Address 11
     - Dimmer: Short Address 12
     - Emergency: Short Address 13

RAPIX INTEGRATOR

Exercise 2

2. Create a Zone:

- Name: “My Zone”
- Members: Short Address 11 & 12

3. Test the Zone

- Identify the Zone
- The relay and dimmer lights should flash

RAPIX INTEGRATOR

Exercise 2

4. Create an Xi Scene:

- Name: “My Scene”
- Members:
  - Short Address 11, level 100%, fade time 0
  - Short Address 12, level 50%, fade time 8 seconds

5. Test the Scene

- Set the Scene
- The relay and dimmer lights should fade to the correct level at the correct rate

RAPIX INTEGRATOR

Exercise 3

- Requires an eHub

RAPIX INTEGRATOR

Exercise 4 - Schedules

1. Create a Schedule

- Name: Week Days

2. Add a Zone event

- Name: “Morning”
- Days: Monday – Friday
- Time: 9:00AM
- Action: Switch “My Zone” on

RAPIX INTEGRATOR

Exercise 4

3. Add a Scene event

- Name: “Evening”
- Days: Every Day
- Time: ½ hour after sunset
- Action: Set “My Scene”

RAPIX INTEGRATOR

Exercise 5 – Floor Plans

1. Add a Floor Plan

2. Add symbol for devices to Floor Plan:

- Relay:
- Dimmer:
- Emergency:

3. Check devices by identifying them

RAPIX INTEGRATOR

Exercise 5 – Floor Plans

4. Add a Zone outline for the Relay and Dimmer

5. Check the Zone by identifying it

RAPIX EMERGENCY

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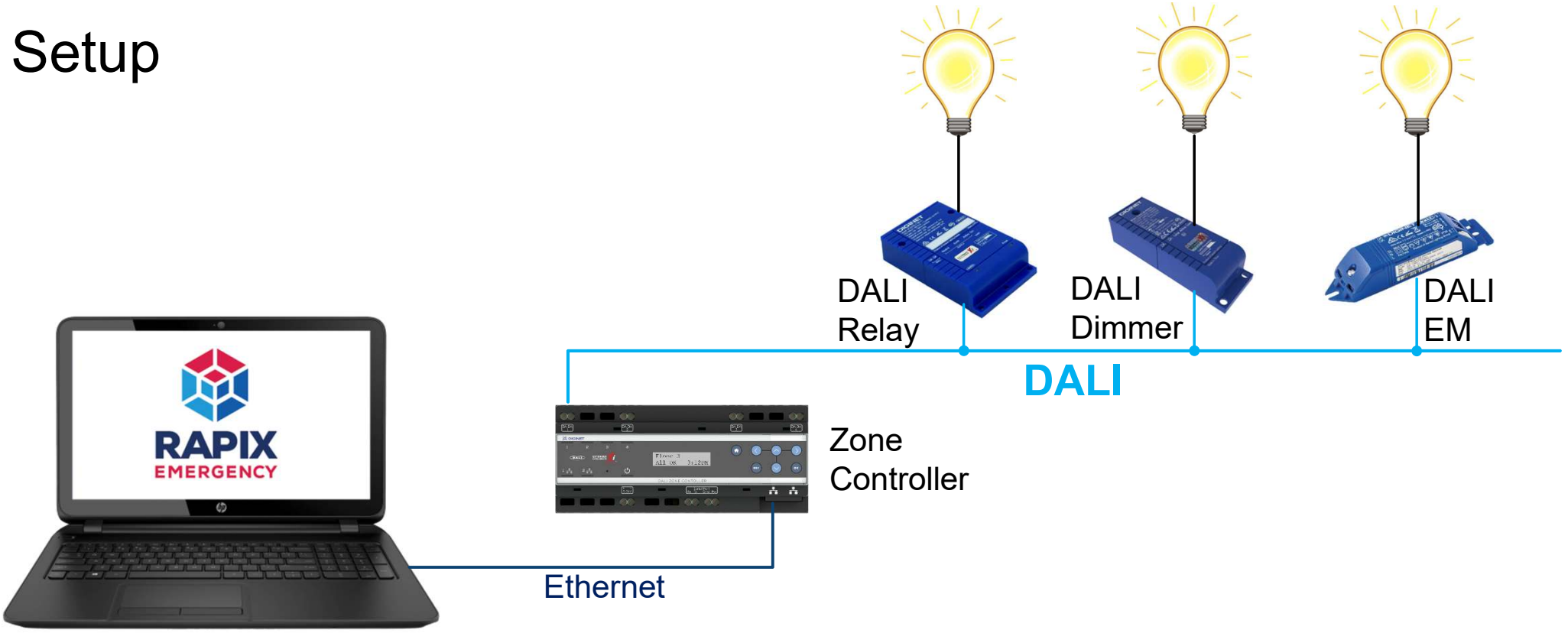

RAPIX EMERGENCY

Exercise 1

1. Preparation
   - Install RAPIX Emergency
   - Connect Laptop to Zone Controller
   - Run RAPIX Emergency

2. Create new Project
   - Auto Configure

RAPIX EMERGENCY

3. Name the Emergency Device “Exit”

4. Manually run function test