

4 Commission the Gateway.

- Boot up process can take up to two minutes after power is applied.
- The Gateway LED should be RED after its boot up process is completed.
- If the Gateway LED is BLUE, it is already commissioned and will need a Factory Default Reset (FDR). See Gateway instructions at the link provided on the front page for FDR instructions.

Start these steps from the "ENGAGE Devices" menu.

- 1. Select the "+" sign (top right) to begin.
- 2. Select "Gateway" device type.
 - After power-up, the Gateway will take a moment to initialize. Wait for a solid RED LED before proceeding.
- 3. Select the Gateway to be commissioned, and wait for it to be "Connected."
- 4. After successfully connecting, select "Yes" in the top right to answer the question "Is the light blinking on the device?" to continue.
- 5. Input a device name ("Site Survey Gateway," for example), then select "Next."
- 6. Select "IP" for the Gateway communication mode.
 - IP communication is not used for the actual Site Survey.
- 7. Skip the IP Configuration step by selecting "Next."
- 8. When successful, select "Link Devices" or "Finish" to quit.

5 Linking devices.

Start these steps from the "Devices" menu.

- 1. View the recently commissioned Gateway and transponders in the "In-Range" tab.
 - ① The devices must be nearby and powered up.
- 2. Select the Site Survey Gateway device, and wait for it to be "Connected."
- 3. Select "Linked Devices."
- 4. Select the "+" sign (top right).
- 5. Select the transponder to be "Linked" from the displayed list.
- 6. When successfully linked, select "Link Another Device," or exit to quit.
- 7. Repeat steps for the remaining transponder.

After the Gateway and both transponders are linked, you are now ready to conduct the site survey.

Site Survey Instructions

Verify that each transponder's batteries are good and the Gateway portable battery is fully charged.

1 Prepare a site plan.

Review your facility layout and access control requirements.

Generate a site plan for each opening to be managed and each anticipated Gateway location following the best practices listed below.

BEST PRACTICES

- 1. Know the facility construction. Understand long range facility plans and allow for unfinished construction, additional furniture, and planned construction issues.
- 2. Avoid Gateway placements near internet Wi-Fi access points that will cause signal interference.
- 3. Gateway to door "Line-Of-Sight" is preferred whenever possible.
- 4. Do not exceed 30 feet (10 meters) distance between Gateway and door/transponder locations.
- 5. Do not require Gateway to door/transponder communication between floors of a building.
- 6. Limit communications requirements through walls or other obstructions.
- 7. Do not plan to mount the Gateway on or near any metal surface. Avoid metal framed and wire mesh walls.
- 8. Do not plan to place Gateways in easily accessed and unsecured areas.
- 9. Keep the Gateway antenna in its vertical orientation.

2 Attach Gateway to tripod.

2a Install Gateway tripod mount to tripod.



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2b Slide Gateway onto mount on tripod.	4. The app will display the survey results vertices and numerical values. RED GI (failing) (p Move the Gateway location and repeat the site survey. Repeat surveys until satisfactory results are achieved for this Gateway location. Comparison of the Gateway location and repeat the site survey. Repeat surveys until satisfactory results are achieved for this Gateway location.	with color REEN bassing) continue to ext steps.
	 5. Document each site survey results for each door/ transponder location. 1. The Gateway precise location and mounting requirements. 2. Transponder/door survey readings for each supported access opening 3. Date and time the survey was accomplished and any notes. ① A template sheet for recording site results and notes is provided on the last page of this instruction document 	
cable to Gateway. Be sure to turn the Gateway battery ON and wait for the gateway to initialize (Blue LED will be solid).	Repeat the site survey for each planned Ga location and supported door in your site pla	ateway an.
	Troubleshooting	
 Set up test kit. Place the Gateway (on the tripod) and transponders (on the doors) per your site plan locations. Be sure to place transponders with the "This side against door" as indicated on the label facing the door. Run site survey on ENGAGE application. Using the ENGAGE mobile application, log in to the TKE Survey site. Starting from the Devices Menu, select the site survey Gateway, and wait for it to be "Connected." Select the "Site Survey" menu. Select "Start Survey" and wait for the survey to complete. Each survey will take approximately 1 minute per transponder to complete. The site survey will take several minutes longer if linked devices are not present. If not all devices linked to a Gateway are present for the site survey, remove the absent transponders from the linked list BEFORE running the site survey. 	 at up test kit. the Gateway (on the tripod) and transponders (on lors) per your site plan locations. sure to place transponders with the "This side ainst door" as indicated on the label facing the or. If any device has been commissioned before. If any device has been commissioned in ar site, they MUST be put back to factory sett each device must be deleted in the previou before they will be available for commissioned in ar site, they MUST be put back to factory sett each device must be deleted in the previou before they will be available for commissioned a new site. If a linked Gateway is not online or responders that are not on-line. If a linked devices are not present. If not all devices linked to a Gateway are present for the site survey, remove the absent transponders from the linked list BEFORE running the site survey. 	

Numerical Results	Site Survey Score Meaning and Troubleshooting	
60-99	Gateway to transponder positioning is good	
0-59	 Connectivity is not good Check that antenna is vertical Move Gateway close to the lock pass through fewer walls, avoid metal surfaces Confirm Gateway is not mounted within 1 inch of a metal surface Cofirm Gateway is not mounted near a Wi-Fi access point 	

	Site Results Template		
Door Name	Gateway Location	Survey Score	Notes
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