

PORT-A-BELL

Portable Solar Powered Footy Siren

USER MANUAL



Automatic schedule • Manual remote control • Solar battery charging

The Port-a-Bell is a portable footy siren powered by a 12 V, 15 Ah LiFePO₄ battery. Two solar panels, 18 W total, keep the battery topped up while the unit is switched on and in operation. Up to 30 siren times can be programmed for Saturday and another 30 for Sunday. The siren can also be operated manually with the supplied remote control.

Why the name Port-a-Bell?

The name comes from the first football club where the system was used. The club traditionally sounded a hand-rung bell, so the portable electronic replacement became the Port-a-Bell.

1. Quick Start

Step	Operation
1	Position the unit with the siren pointing in the same direction as the wind.
2	Turn the external ON/OFF switch to ON. The green LED will illuminate.
3	Open the lid and check the battery level.
4	Select AUTO for programmed operation, or REMOTE for manual operation.
5	After use, switch the Port-a-Bell OFF.

2. ON/OFF Switch



The green LED is illuminated whenever the Port-a-Bell main switch is ON.

IMPORTANT: The solar charger operates only while the Port-a-Bell is switched ON. Leaving the unit ON unnecessarily will eventually drain the battery.

3. Controls Inside the Lid



Inside the lid are the 10-inch HMI touch screen, AUTO/REMOTE mode selector, battery level indicator and remote-control storage area. The battery level indicator is active only while the main switch is ON.

Mode selector

- AUTO - operates from the programmed Saturday/Sunday schedule.
- REMOTE - allows manual siren operation from the handheld remote.

4. HMI Main Menu



In AUTO mode the HMI is switched off while the lid is closed to save battery power. When the lid is opened, allow a few seconds for the screen to start.

- Time Settings - view and edit the Saturday and Sunday siren schedules.
- Set Clock - set the controller date, time and day of week.
- Test Siren - locally test siren operation.

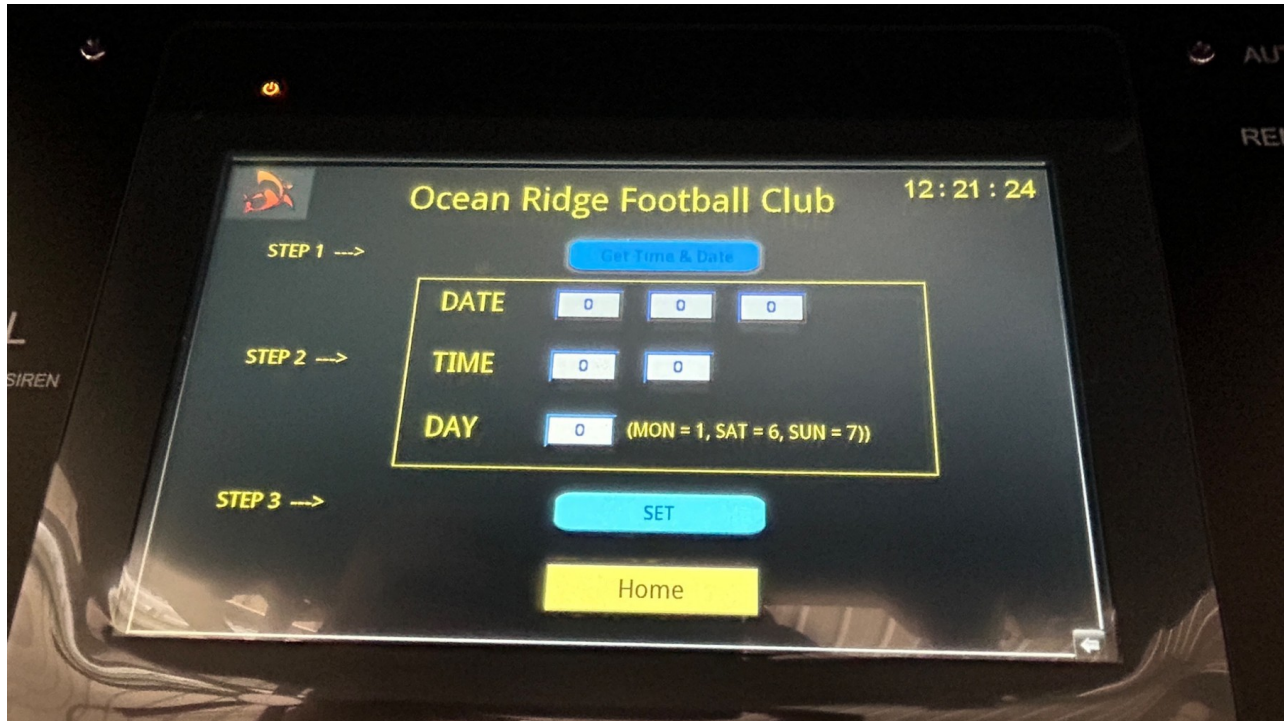
5. Programming the Automatic Schedule



The Port-a-Bell can store up to 30 siren events for Saturday and 30 for Sunday. For each required event, enter the hour and minute and enable the event. Leave unused events disabled. Use the on-screen Next/navigation controls to move through the schedule pages.

Before match day: confirm the correct day, time and enabled schedule entries are shown.

6. Setting the Date and Time



Correct date and time are required for automatic operation. From the main menu select Set Clock. Enter the date, time and day of week, then press SET. Confirm the clock shown at the top of the HMI before returning Home.

7. REMOTE Mode - Manual Operation



Set the MODE selector to REMOTE. Press and hold button A on the remote control to sound the siren. The siren stays ON while button A is held and stops when button A is released.

Remote battery: If range becomes poor or operation is intermittent, open the rear battery compartment and replace the battery with the same type and polarity as the existing battery.

8. Solar Charging, Battery, Weather and Positioning



- The Port-a-Bell uses a 12 V, 15 Ah LiFePO₄ (Lithium Iron Phosphate) battery.
- Two solar panels provide 18 W total charging capacity.
- The battery is charged from solar only while the Port-a-Bell main switch is ON.
- Place the panels in unobstructed sunlight whenever practical.
- For best sound projection, point the siren in the same direction as the wind.
- The Port-a-Bell can withstand mild showers but is not 100% waterproof. Avoid heavy rain, standing water and direct hose spray.

9. Resettable Fuse, Storage and Troubleshooting



15 A resettable fuse

The Port-a-Bell is protected by a 15 A resettable fuse. If the fuse trips, simply press the fuse button back in to reset it.

If it trips again, switch the unit OFF and investigate the cause rather than repeatedly resetting the fuse.

After use

Switch the unit OFF, store the remote, and keep the enclosure clean and dry.

Basic troubleshooting

Symptom	Check
No green LED / no power	Main switch, battery charge and 15 A resettable fuse.
15 A fuse has tripped	Press the reset button back in. If it trips again, switch OFF and investigate the fault.
HMI blank in AUTO	Open the lid and allow several seconds for startup.
No automatic siren	AUTO mode, clock/day, schedule time and Enable setting.
Remote does not work	REMOTE mode, hold button A, move closer and check the remote battery.
Battery runs down	Ensure adequate sunlight and remember charging occurs only while the main switch is ON.

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