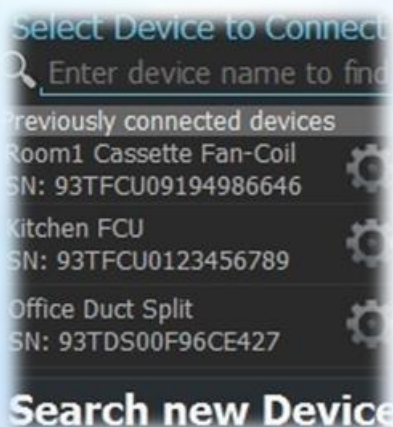# Smart Air Conditioner App

- **Control Unlimited Number of A/Cs with Tablet or Smart Phones:** There is no need to a separate thermostat and frustrating wirings! Just install an app on your smart phone and control all of your smart devices around your home/office. There is no need to wall-mount thermostat, so electromotor will not be damaged due to non-standard wiring faults. Each device has a unique address and protected with a password to prevent unauthorized access.

- **Display Device Model and Serial Number:** Device list contains model and SN of each device which helps aftersales services. That's very helpful for duct and ceiling built-in units.

- **Naming Each Device:** In advanced version of app it's possible to name each device to simplify and speed up finding the unit. For example Room No.1 Fan-Coil, Kitchen FCU, and so on which are user friendly and familiar names for end users.

- **Possible to add and control various features of the unit:** If device has features such as Air Purifier, damper, valve, and more the user can control such features with just one click or slide.

- **Air Purifier:** Units equipped with this feature can fresh the air by ionizing it and kill bacteria and remove dust particles. The amount of negative oxygen ions in the ambient air seems to affect the psychological and physical state of many people. The air in the mountains and near the sea contains relatively high numbers of negative ions compared to elsewhere and this is one of the reasons that people feel better in this type of environment. Such units can improve the air quality of home, office, health care and even gyms.
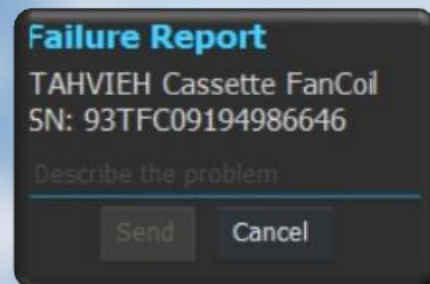
- **Simple User-Friendly GUI:** Design is straightforward so users from any age and any region should easily feel familiar with the app. User can watch the room temperature on the gauge and set the desired value with a volume. It's possible to translate the app to any language.

- **Automatic/Manual Operating Modes:** Operation mode can be changed with a switch button to Automatic or Manual mods. In Automatic mode fan speed is controlled by a PID-based algorithm based on real and set-point temperatures. In Manual mode user can manually set fan speed. Best energy saving obtain in Auto mode.

- **Failure Report:** If the device has a problem or user wants to register the product or contact the aftersales services, he/she can simply tap on Failure Report button and type some explanation about the problem to inform AS. For example if unit has an unusual noise user could describe it in the box and a SMS will be sent to the company and aftersales will contact the user to resolve the issue. In advanced units it's possible to send automatic reports on failures such as broken electromotor, damaged condense pump, sensor disconnection, and more.

- **Schedule Time:** Unit will sync its operation time with phone Calendar and user can edit timetable to program working hours and reduce energy consumption.

- **Energy Saving History:** Track savings with daily/monthly/annual reports.