WiFi/RF Ceiling Fan Remote Control Kit

 Model #:   **uCF280**

(Please visit our website www.a-brt.com for more info)

▶ Features:

uCF280 is the smartest ceiling fan remote control kit. In addition to traditional RF 433MHz remote control, its receiver has a WiFi module built-in so that the ceiling fan can also be remotely controlled by a smart phone.

- Good for all ceiling fans;
- Two load outputs, one for controlling the fan and another one for controlling the lights;
- Three fan speeds;
- Precise timer function;
- Bidirectional communication enabling status display of fans, lights, and timer;
- ABS-V0 flame resistance material; and
- Elegant design and high quality build.

▶ What Are Included?

uCF280 WiFi/RF ceiling fan remote control kit consists of three pieces, as shown in Fig. 1
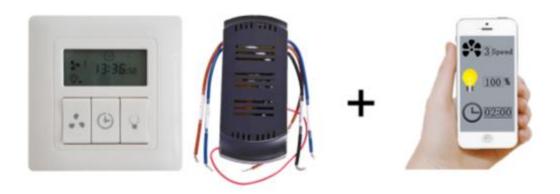

Fig. 1   uCF280 WiFi/RF Ceiling Fan Remote Control Kit

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- An RF 433MHz remote control unit which either can be hanged onto a wall mount base like a standard wall mount switch, or can be detached from the wall mount base as a handheld device. Fig. 2 shows the remote control unit used as a wall mount switch, while Fig. 3 shows the remote control unit used as a handheld device;

- A rectangular receiver that can receive control commands either from the remote control unit or a smart phone. This receiver uses existing wiring and can easily fit into the canopy of the ceiling fans; and

- An App to be loaded into a smart phone. This App will turn a smart phone into a remote co

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Fig. 3   Using the Remote Control Unit as a Handheld Device

⏵ **Remote Control Unit:**

Fig. 4 shows the front view, side view and back view of uCF280 remote control unit, respectively. The remote control unit has three buttons and an LCD display on the front, and has structural features on its back for easy attachment to a wall mount base (not shown here).
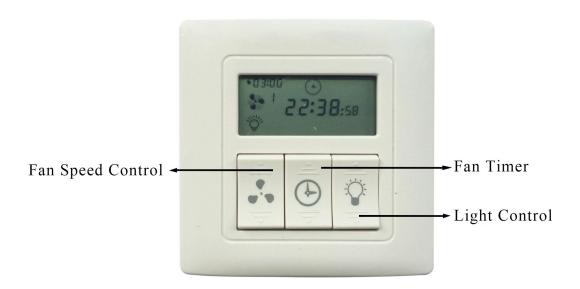
Front View   Side View   Back View

Fig. 4   uCF280 Remote Control Unit

Fan Speed Control ◄——————————————————► Fan Timer

——————————————————► Light Control

Fig. 5   Front Buttons of uCF280 Remote Control Unit

As shown in Fig. 5, the 3 buttons on the front have the following functions:

Fan speed control: used to turn on or turn off the fan, and adjust the fan speed;

Fan timer: used to set the clock and the timer for the fan to be turned off automatically;

Light control: used to turn on or turn off the light;

Fig. 6 is a large view of the LCD display of uCF280 remote control unit. The displayed parameters include clock, timer, fan speed, fan status and light status.
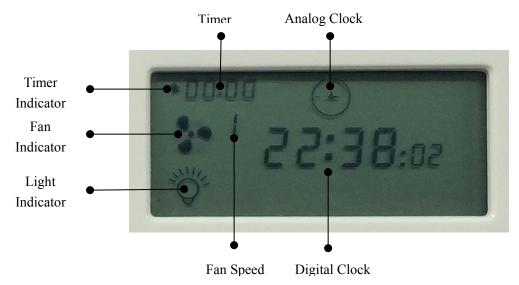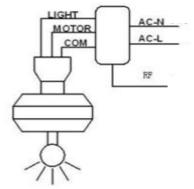

Fig. 6   Front LCD of uCF280 Remote Control Unit

▶ Specification Parameters:

Input Voltage	220～240V(50Hz/60Hz)	Operation Environment	No-condensation 20-90% RH，-20℃～40℃
Fan Wattage	150W	Light Wattage	600W
Battery for Remote Control	AAA	Working Distance of Remote Control	>= 10m
Remote Control Dimension	86mm x 86mm	Receiver Dimension	120mm x 53mm x 23mm

▶ Wiring Diagram and Installation Guide:

uCF280 remote control unit is battery driven and there is no wiring requirement. The receiver has its all connection wires clearly labelled, as shown in Fig. 7.

Fig. 7 uCF280 Receiver Wiring Diagram

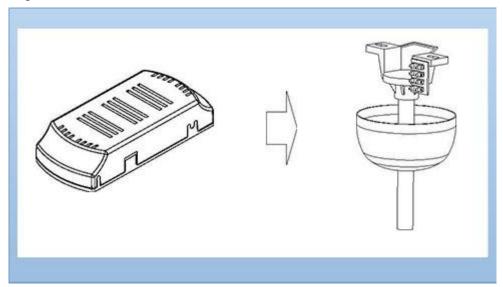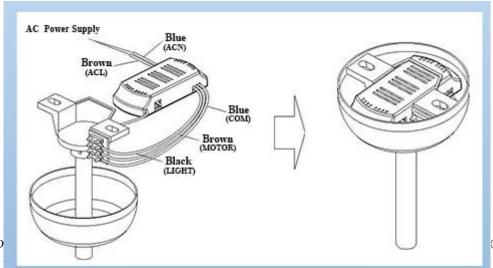|	
AC-L:	Connected to the hot wire of power supply
AC-N:	Connected to the neutral wire of power supply
Light:	Connected to the lights
Motor:	Connected to the fan
COM:	Connected to the neutral wire of the fan and/or lights
RF:	Antenna, no connection

Warning: *Please make sure power is turned off before starting installation!*

Once properly wired, the uCF280 receiver can be installed into the canopy of the ceiling fan, as shown in Fig. 8.

Fig. 8   uCF280 Receiver Installation

▶ **Setup and Operation Guide:**

1. **Setup and Operation of uCF280 Remote Control Unit:**
    There is a dip switch on the back of uCF280 remote control unit and there is a dip switch on the side of uCF280 receiver. Set these two dip switches to identical positions. The remote control unit will be able to send commands to the receiver and read the status from the receiver.

    1.1 Set up clock: Press and hold the fan timer button, the displayed clock hours will start flashing. Pressing the top of the button will increase the displayed numbers and pressing the bottom of the button will decrease the displayed numbers. Press the button again, the displayed clock minutes will start flashing and be ready to be changed accordingly.

    Once the clock is set, pressing and holding the fan timer button will save the settings. The clock starts to work. If there is no button operation for 10 seconds, the settings will be saved as well.

    1.2 Change fan speed: Pressing the fan speed control button will turn on or turn off the fan. When the fan is on, pressing the top of the button will increase the fan speed and pressing the bottom of the button will decrease the fan speed.

    When the fan is on, the fan indicator will be rotating. Also, the fan speed display shows the current fan speed: 0 (off), 1 (low speed), 2 (medium speed), and 3 (high speed).

    1.3 Set up timer: When the fan is on, pressing the fan timer button, the displayed timer hours will start flashing. Pressing the top of the button will increase the displayed numbers and pressing the bottom of the button will decrease the displayed numbers.

    Once the timer is set, pressing and holding the fan timer button will save the settings. If there is no button operation for 10 seconds, the settings will be saved as well. The available timer hours are 1 hour, 2 hours, 3 hours, 4 hours, 5 hours, 6 hours, 7 hours, and 8 hours respectively.

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When the timer is activated, the timer indicator is on and the timer starts countdown. The fan will be turned off once the countdown timer runs out time.

The timer can be deactivated by setting the timer to 0.0 hour or by turning off the fan using the fan speed control button.

1.4 Turn on or turn off the light: Pressing the light control button will turn on or turn off the lights. When the light is on, the displayed light indicator is on.

2. **Setup and Operation of Smart Phone:**

Please follow the instruction comes with the ceiling fan remote control kit to download a smart phone App from the designated website. The steps of setting up the App are as follows:

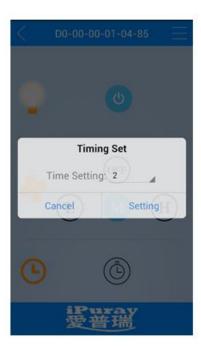2.1 Turn on the power to the ceiling fan. Load the App into smart phone and launch the App;

2.2 Click "Add Device" button, enter Device ID and Password. Every receiver has a unique ID assigned at factory, and the default Password is 1234567. The password can be changed by the user once the initial setup and operation are completed.
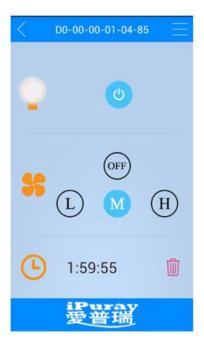
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2.3 Press "Confirm" button to link the ceiling fan. If the setup is successful, the status will show "Device Online". In case "Device Online" is not shown, press the Refresh button (a circle with an arrow at the top-right-corner). Once "Device Online" is confirmed, the ceiling fan and lights are ready to be directly controlled by the smart phone in an interface as follows:

2.4 The ceiling fan can also be controlled by a smart phone via Internet. The fan needs to be linked to a router first.
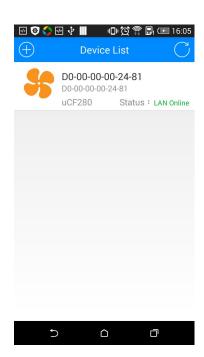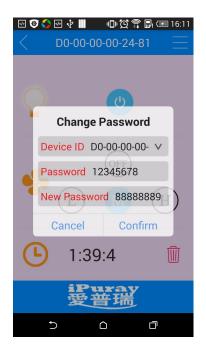
Press the Menu button (3 horizontal bars at the top-right-corner) to bring up a setup menu.   Press "Switching Mode" button to bring up the router setup window. Enter the name of your router and password of your router. Press "Confirm" button to link to the ceiling fan.

Pressing the Refresh button (a circle with an arrow at the top-right-corner) will update the status. If the status shows "Telnet Online" or "LAN Online", the fan has been successfully linked to the router. When the router is connected to the internet, the status will show "Telnet Online" and the fan can be controlled anywhere as long as internet access is available. When the router is not connected to the internet, the status will show "LAN Online" and the fan can only be controlled within the coverage range of the router.

2.5 Password Change: Press the Menu button (3 horizontal bars at the top-right-corner) to gain access to the setup menu, and then press "Change Password" button to bring up a window for password change.

▶ **Applications:**

uCF280 WiFi/RF ceiling fan remote control kit are good for all kind of ceiling fans, even for retrofitting an older ceiling fan. It can bring convenience and ease to our daily life and work.

They have wide applications at various locations such as homes, restaurants, conference rooms, theaters, etc.

▶ **How to Order:**

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