

## *Synchronized Clock for Server Rooms*

Server rooms require the temperature and humidity to be continuously monitored. Sync Clock is an ideal for this purpose. Besides four digit display of time (HH:MM) clock also shows the temperature and relative humidity. Time displays for six seconds after which the temperature for two seconds and followed by relative humidity for two seconds.

The display intensity can be adjusted to suit the ambiance of the room.

The Clock synchronizes time with Time servers on internet domain or through smart phone with built-in WiFi connectivity. You can see the temperature and humidity information from out side the server room using your cell phone application or through PC software.

The Sync clock can be connected to a remote server and send the temperature and humidity information when it is connected through a router. This makes it possible to monitor remotely using internet.



### **Technical Specifications:**

<b>Size:</b>	238 x 80x 35 mm
<b>Display:</b>	2,4 inch 4 digit RED LED
<b>Power:</b>	220V- AC <100mA
<b>WiFi:</b>	802.11 b/g/n protocol, WIFI Direct (P2P) –Soft-AP
<b>CPU:</b>	Arm Cortex 32 bit , Built-in RTC with battery
<b>Temperature:</b>	-40 to 80 deg Celsius Accuracy: +/-0.5 deg Celsius
<b>Humidity:</b>	0 to 100%RH Accuracy: +/-2%RH

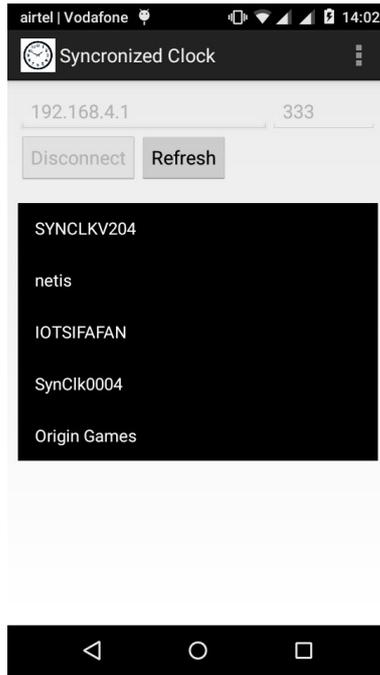


Temperature Display in Degree Celsius



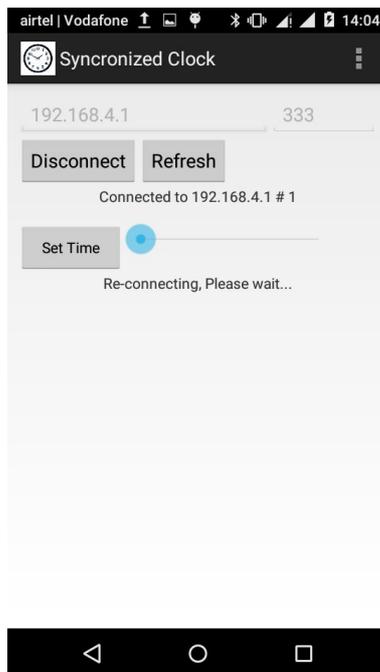
Humidity Display in %RH

## Android Application

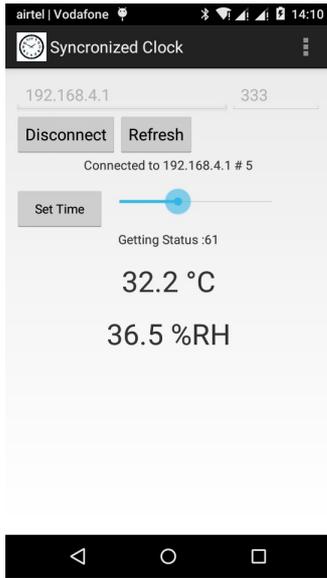


The Sync Clock will be shown in WiFi devices on your cell phone. First connect to the Sync Clock WiFi – Default APN and password will be on the device label.

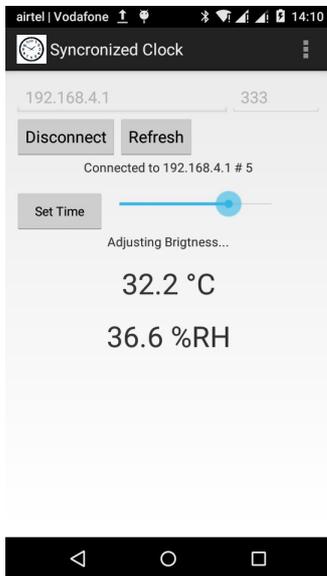
Once you start the mobile App, you will see all the WiFi devices. Please Select your Sync Clock to connect.



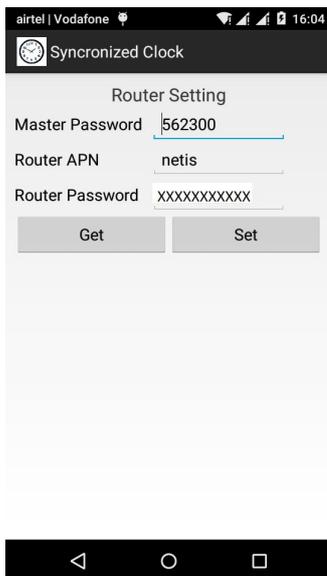
If the Sync Clock disconnects, the App will reconnect again. In case after 30 seconds, still not connected, you can use Disconnect and Refresh the WiFi list and again connect to Sync Clock.



Once Connected, the temperature and humidity will be automatically updated every 5 seconds.

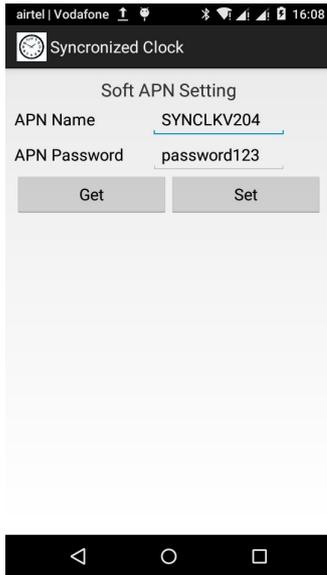


You can use the slider bar to adjust the brightness.  
Set Time will set the phone time to Sync Clock. However if you have connected the Sync Clock to a router and configured time server, time will be automatically synchronized with time servers at intervals you have selected.

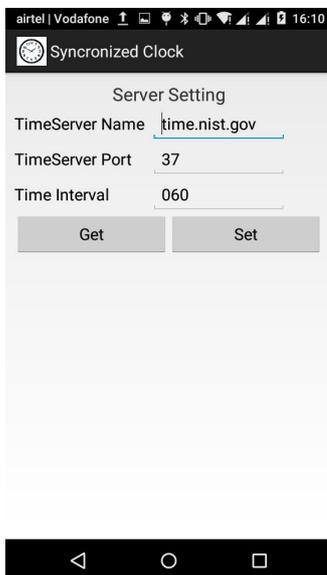


You can set the Router settings using this Set up Screen.

Router connection is required to connect to internet domain to synchronize clock with time servers.



You can set the Name for your Clock and password. Both must be more than 10 chars.



You can set Timer server details. The port must be 37 (protocol changes depending on ports and the Sync Clock uses only 37 protocol).

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