

# Kinnove

Redefining innovation

Educational DIY kit  
for  
Smart card attendance  
and  
Auto-timer switch



# Salient features

- RFID card (Mifare 13.56 MHz) read/write
- WiFi connected (with inbuilt Hotspot), no cables/buttons/display required
- Up to three WiFi settings with auto switching to best signal strength
- Can connect with any WiFi router or mobile Hotspot at 2.4GHz
- Easy interface through the web app on WiFi enabled smartphone or laptop/desktop
- Alert list feature to alert specific card scans with long beep sound
- ‘HTTP’ and ‘HTTPS’ both supported
- Domain names(<https://mydomain/api/rfid>) and IP address(<http://139.124.43.2>) supported
- Direct data push to cloud software or google sheet without any additional server/application requirement, means no additional recurring expenses
- Very compact, sturdy, portable design with nylon braided strong power cable
- Unlimited users capacity
- Industrial grade components with tough ABS outer body
- Rain and splash protected
- Admin key protected updation of settings
- Daily automatic time correction/sync from the WiFi internet
- Use with any mobile charger or power bank or USB port
- Minimal power consumption
- Remote configuration possible for advance use
- Offline storage if internet not available, auto-retry when internet available
- Reading range ~ 4 cm and scan speed < 150 milliseconds

# Salient features

- Attendance data grouping for low server load
- No additional software installation required
- No computer required locally for data sync or cloud upload
- Works with unstable internet connection too
- Audio visual feedback on card scan

## Below features are related to auto-timer switch only

- Unlimited alarms/triggers settings for each day
- Flexible duration for alarms/triggers(ex - 5 seconds or 36000 seconds)
- Unlimited virtual days with all 7 weekdays to be used in special cases(exams, events)
- Implement a special schedule for specific dates irrespective of weekdays
- Disable alarms/triggers for specific dates considering holidays.
- Bulk uploading of holidays list to disable any socket separately
- Export and import settings for quick remote configuration and backup
- Multiple sirens/bells/devices can be connected to the switch(up to rated current load)
- Auto resume in case of power supply interruption

# Product images



# Configuration app screenshot

App version 1.00 & software

Local access : Kinnove RFID [Restart in normal mode](#)

WiFi strength(0 to -70 is best) :

[Settings](#) [RFID write](#) [Alert list](#) [Data](#) [Socket](#)

## For developer

Access token:

Submission URL:

Alert list URL:

hh:mm:ss timestamp instead of hh:mm

Timezone (seconds):

\*For India use 19800

## For user

Setup mode card key:

\*Write new key in a card before you change it here, otherwise you can never access setup mode.

WiFi-1:

WiFi-2:

WiFi-3:

Telegram Bot token:

Telegram secure chat id:

\*Leave blank for all users access

[Import settings](#)

[Save settings](#)

# Configuration app screenshot

App version 1.00 & software

Local access : Kinnove RFID [Restart in normal mode](#)

WiFi strength(0 to -70 is best) :

[Settings](#) [RFID write](#) [Alert list](#) [Data](#) [Socket](#)

1. Type ID in below given box
2. Click write button and wait till loading stops
3. Hold the RFID card near sensor
4. LED will flash on successful write

User ID:

[Write](#)


**Please refresh the webpage**

App version 1.00 & software

Local access : Kinnove RFID [Restart in normal mode](#)

WiFi strength(0 to -70 is best) :

[Settings](#) [RFID write](#) [Alert list](#) [Data](#) [Socket](#)

Date:  

User IDs:

23  
26  
31

[Submit](#)

# Configuration app screenshot

App version 1.00 & software

Local access : Kinnove RFID [Restart in normal mode](#)

WiFi strength(0 to -70 is best) :

[Settings](#) [RFID write](#) [Alert list](#) [Data](#) [Socket](#)

Priority sequence of settings is 3 => 2 => 1

## 1. Timer triggers

v\* - Virtual day (for example 'v1' means 'virtual day 1')

- X 1:    Mon  Tue  Wed  Thu  Fri  Sat  Sun  V1  V2
- X 2:    Mon  Tue  Wed  Thu  Fri  Sat  Sun  V1  V2
- X 3:    Mon  Tue  Wed  Thu  Fri  Sat  Sun  V1  V2

[Add trigger](#) [Sort ascending](#)

## 2. Timer for specific dates

v\* - Virtual day (for example 'v1' means 'virtual day 1')

X   V1  V2

[Add specific date](#) [Sort ascending](#)

## 3. Timer disabled for dates

X

[Add date](#) [Sort ascending](#)

OR

[Add bulk dates](#)

number of virtual days

[Import settings](#)

[Save & export settings](#)



Most used

RFID ID card



Less used

RFID sticker tag

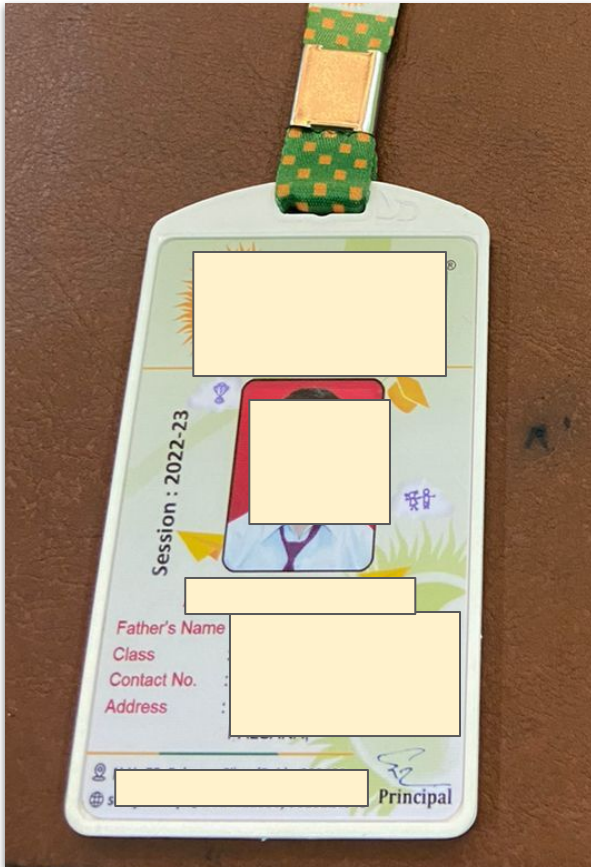


Less used

RFID key



# ID card sample image



Front side



Back side plain  
RFID pasted