

## WiFi & RF 2CH LED Controller

DW1



Utilizzato per il controllo di strisce LED monocoloro o a temperatura di colore. Ingresso presa di corrente DC e uscita a tensione costante a 2 canali. Controllo cloud Tuya APP, supporto di accensione/spegnimento, regolazione della temperatura del colore e della luminosità, accensione/spegnimento ritardato della luce, esecuzione del timer, funzione di modifica della scena. Controllo vocale, supporta Amazon ECHO e l'altoparlante intelligente TmallGenie. Abbinamento con telecomando RF 2.4G opzionale. L'utente deve impostare il tipo di luce premendo il tasto prima della connessione alla rete Tuya APP e abbinare il telecomando RF dello stesso tipo di luce. Ogni controller DW1 può anche funzionare come convertitore WiFi-RF, quindi utilizzare Tuya APP per controllare uno o più controller LED RF o driver di dimmerazione LED RF in modo sincrono. Collegare l'interruttore a pressione esterno per ottenere la funzione di accensione/spegnimento e dimmerazione 0-100%. Tempo di dissolvenza accensione/spegnimento della luce 3s selezionabile.

Used for control single color or color temperature LED strip. DC power socket input and 2 channel constant voltage output. Tuya APP cloud control, support on/off, color temperature and brightness adjust, delay turn on/off light, timer run, scene edit function. Voice control, support amazon ECHO and TmallGenie smart speaker. Match with RF 2.4G remote control optional. User need set light type by press key before Tuya APP network connection and match RF remote of the same light type. Each DW1 controller can also work as WiFi-RF converter, then use Tuya APP to control one or more RF LED controller or RF LED dimming driver synchronously. Connect with external push switch to achieve on/off and 0-100% dimming function. Light on/off fade time 3s selectable.

## Parametri tecnici Technical Parameters

### Input and Output

Input voltage	12-36VDC
Input current	10.5A
Output voltage	2 x (12-36)VDC
Output current	2CH,5A/CH
Output power	2 x (60-180)W
Output type	Constant voltage

### Dimming data

Input signal	Tuya APP + RF + Push Dim
Control distance	30m(Barrier-free space)
Dimming gray scale	4096 (2^12) levels
Dimming range	0-100%
Dimming curve	Logarithmic
PWM Frequency	2000Hz (default)

### Environment

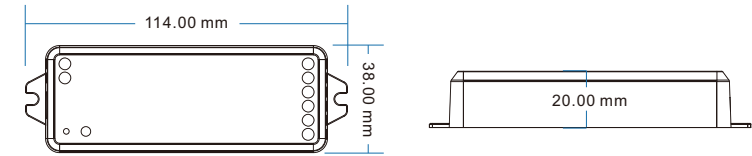
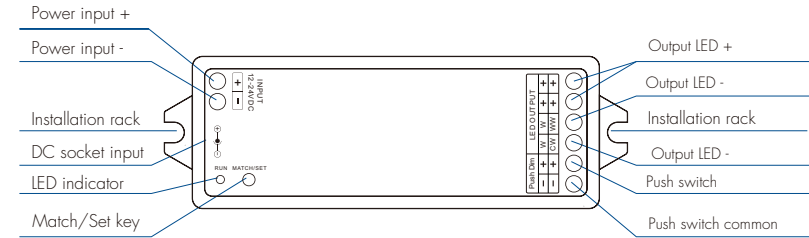
Operation temperature	Ta: -30°C ~ +55°C
Case temperature (Max.)	Tc: +85°C
IP rating	IP20

### Warranty and Protection

Warranty	5 years
Protection	Reverse polarity Over-heat Short circuit

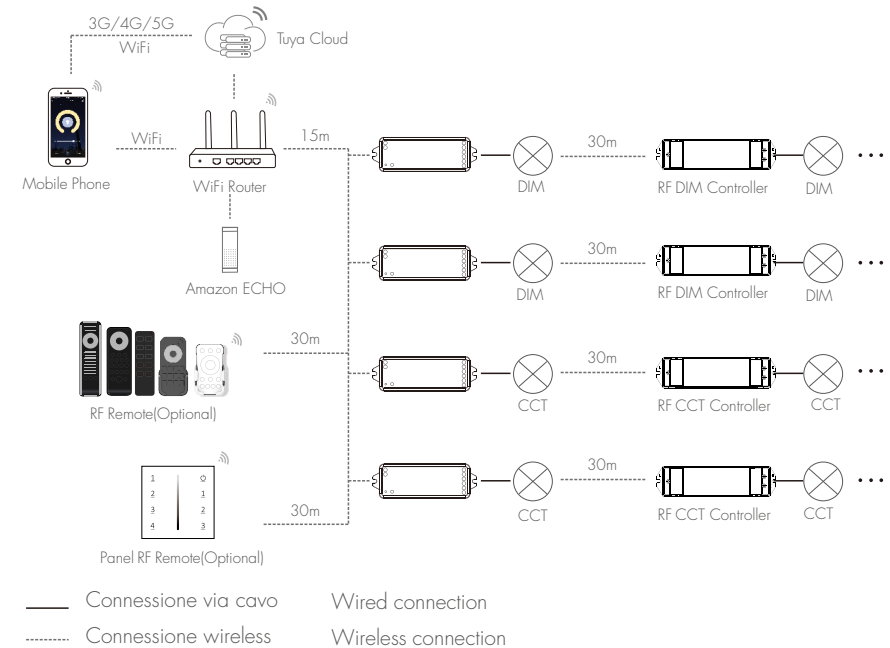
## Strutture e installazioni meccaniche

## Mechanical Structures and Installations



## Cablaggio del sistema

## System wiring



### Nota:

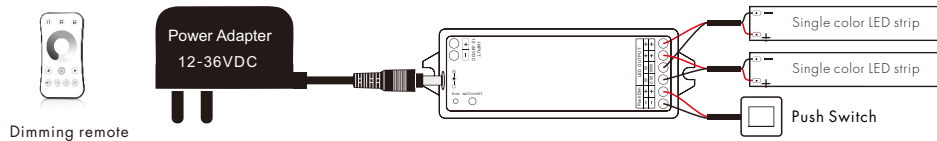
1. La distanza indicata è misurata in un ambiente spazioso (senza ostacoli). Si prega di fare riferimento alla distanza effettiva di prova prima dell'installazione.
2. Si prega di controllare se la rete del router WiFi in banda 2.4G, la banda 5G non è disponibile, e non nascondere la rete del router.
3. Mantenere la distanza tra i dispositivi WT1 e il router e controllare i segnali WiFi.

### Note:

1. The above distance is measured in spacious (no obstacle) environment. Please refer to the actual test distance before installation.
2. Please check if the WiFi router net in 2.4G band, the 5G band is not available, and do not hide your router network.
3. Please keep the distance between WT1 devices and router close, and check the WiFi signals.

## Schema di cablaggio Wiring Diagram

- Per singolo colore
- For single color

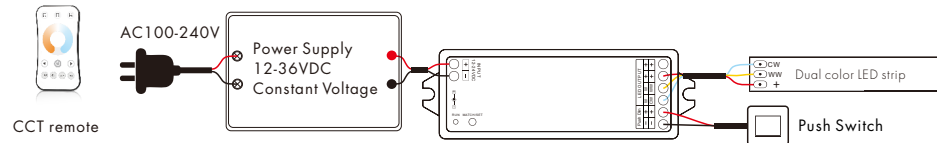


Dimming remote

Tenere premuto il tasto match/set per 8 secondi, finché l'indicatore LED RUN non diventa bianco, quindi rilasciarlo; il controller diventerà di tipo DIM, quindi eseguire la configurazione intelligente tramite l'APP tuya o premere brevemente il tasto match per abbinarlo al telecomando RF di regolazione della luminosità.

Press and hold match/set key for 8s, until the RUN LED indicator turn white, then release, the controller will become DIM type, then do smart config by tuya APP, or short press match key to match with dimming RF remote.

- Per CCT a doppio colore
- For dual color CCT



CCT remote

Tenere premuto il tasto match/set per 10 secondi, fino a quando l'indicatore LED RUN diventa giallo, quindi rilasciarlo; il controller diventerà di tipo CCT, quindi eseguire la configurazione intelligente tramite l'APP tuya o premere brevemente il tasto match per abbinarlo al telecomando CCT RF.

Press and hold match/set key for 10s, until the RUN LED indicator turn yellow, then release, the controller will become CCT type, then do smart config by tuya APP, or short press match key to match with CCT RF remote.

### Nota:

1. L'utente può collegare un alimentatore a tensione costante o un adattatore di corrente come ingresso di alimentazione.
2. Tenere premuto il tasto Match/Set per 2 secondi, commutare 2 tipi di luce in sequenza.
3. Spegnerne l'alimentazione, quindi accenderla e ripetere l'operazione. Premendo immediatamente il tasto Match per 3 volte, il tempo di accensione/spengimento della luce cambia da 3 a 0,5 secondi.
4. Per la luce CCT, lo spegnimento e l'accensione continui modificheranno in sequenza i 3 livelli di temperatura del colore (WWW, NW e CW).

### Note:

1. The user can connect a constant voltage power supply or power adapter as the power input.
2. Press and hold Match/Set key for 2s, switch 2 kinds light type in sequence.
3. Switch off the power, then switch on power, repeat again. Immediately short press match key 3 times, the light on/off time will change between 3s and 0.5s.
4. For CCT light, continuous power off and on will change 3 levels color temperature (WWW, NW and CW) in sequence.

## Connessione di rete Tuya APP

## Tuya APP network connection

Premere due volte il tasto Match/Set velocemente, oppure tenere premuto il tasto Match/Set per 8 o 10 secondi per impostare 2 tipi di luce:

Cancella la connessione di rete precedente, entra in modalità Smart config, l'indicatore LED viola lampeggia velocemente, il LED di uscita lampeggia 10 volte.

Tenere premuto il tasto Match/Set per 2 secondi:

Commutare i 2 tipi di luce in sequenza, ma questa operazione non cancella automaticamente la connessione di rete precedente. Tenere premuto il tasto Match/Set per 5 secondi:

Cancella la connessione di rete precedente, entra in modalità AP config, l'indicatore LED viola lampeggia lentamente. Se la configurazione intelligente non è riuscita, provare a configurare l'AP.

Ripetere l'accensione e lo spegnimento per 5 volte consecutive, cancellare la connessione di rete precedente, entrare in modalità Smart config, il LED di uscita lampeggia 10 volte.

Se la connessione di rete di Tuya APP riesce, l'indicatore LED RUN smetterà di lampeggiare in viola, e diventerà del colore corrispondente al tipo di luce (bianco: DIM, Giallo: CCT).

e in Tuya APP è possibile trovare il dispositivo DIM o CCT.

Push twice Match/Set key fastly, or when press and hold Match/Set key for 8 or 10s to set 2 kinds light type:

Clear previous network connection, enter Smart config mode, the purple LED indicator flash fastly, the output LED will flash 10 times.

Press and hold Match/Set key for 2s:

Switch 2 kinds light type in sequence, notice this operation does not automatically clear previous network connection.

Press and hold Match/Set key for 5s:

Clear previous network connection, enter AP config mode, the purple LED indicator flash slowly.

If smart config failed, please try AP config.

Repeat power on and off for 5 consecutive times, also clear previous network connection, enter Smart config mode, the output LED will flash 10 times.

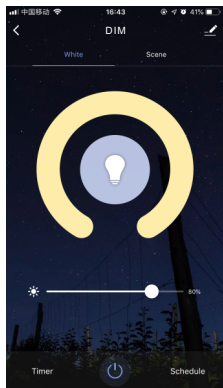
If Tuya APP network connection succeed, the RUN LED indicator will stop flash purple, and turn corresponding light type color (White: DIM, Yellow: CCT).

and in Tuya APP, you can find DIM or CCT device.

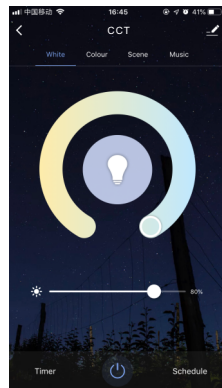
## Push Dim

DIM Single color	Click	ON/OFF
	Double Click	Turn on at 100% or 10%(night light) and vice-versa
	Long press(>1s) from OFF	Dimming UP/DOWN
	Long press(>1s) from ON	Dimming UP/DOWN
CCT Dual Color	Click	ON/OFF
	Double Click	Turn on at 100% or 10%(night light) and vice-versa
	Long press(>1s) from OFF	Color temperature UP/DOWN (turn off and turn on to return dimming)
	Long press(>1s) from ON	Dimming UP/DOWN

## Interfaccia APP Tuya Tuya APP interface



DIM



CCT

### DIM:

Touch the luminosity cursor to adjust the luminosity.

### CCT:

Touch the color wheel to adjust the color temperature. Touch the luminosity cursor to adjust the luminosity.

### DIM:

Touch brightness slide to adjust brightness.

### CCT:

Touch color wheel to adjust color temperature.

Touch brightness slide to adjust brightness.

## Telecomando per abbinamento DW1 (opzionale)

### DW1 match remote control (Optional)

The final user can choose the suitable match/delete ways. Two options are offered for selection:

#### Utilizzare il tasto Match del DW1

##### Abbinamento:

Press the match key of DW1, immediately press on/off (single zone remote) or zone key (multiple zone remote) on the remote. The LED indicator fast flash a few times means match is successful.

##### Cancellare:

Press and hold the match key of DW1 for 15s to delete all match. The LED indicator fast flash a few times means that all matched remotes have been deleted.

End user can choose the suitable match/delete ways. Two options are offered for selection:

#### Use the Match button of DW1

##### Match:

Short press match key of DW1, immediately press on/off key (single zone remote) or zone key (multiple zone remote) on the remote. The LED indicator fast flash a few times means match is successful.

##### Delete:

Press and hold match key of DW1 for 15s to delete all match. The LED indicator fast flash a few times means all matched remotes were deleted.

#### Utilizzare il tasto Match del DW1

##### Abbinamento:

Press the match key of DW1, immediately press on/off (single zone remote) or zone key (multiple zone remote) on the remote. The LED indicator fast flash a few times means match is successful.

##### Cancellare:

Press and hold the match key of DW1 for 15s to delete all match. The LED indicator fast flash a few times means that all matched remotes have been deleted.

#### Use Power Restart

##### Match:

Switch off the power of DW1, then switch on power, repeat again. Immediately short press on/off key (single zone remote) or zone key (multiple zone remote) 3 times on the remote. The light blinks 3 times means match is successful.

##### Delete:

Switch off the power of DW1, then switch on power, repeat again. Immediately short press on/off key (single zone remote) or zone key (multiple zone remote) 5 times on the remote. The light blinks 5 times means all matched remotes were deleted.

## DW1 funziona come convertitore WiFi-RF per abbinare il controller LED RF o il driver di oscuramento

### DW1 work as WiFi-RF converter to match RF LED controller or dimming driver

The final user can choose the suitable match/delete ways. Two options are offered for selection:

End user can choose the suitable match/delete ways. Two options are offered for selection:

#### Utilizzare il tasto Match del DW1

##### Abbinamento:

Press the match key of the controller, immediately press on/off on the Tuya APP. The LED indicator fast flash a few times means match is successful.

##### Cancellare:

Press and hold the match key of the controller for 5s. The LED indicator fast flash a few times means match was deleted.

#### Use the Match button of DW1

##### Match:

Short press match key of the controller, immediately press on/off key on the Tuya APP. The LED indicator fast flash a few times means match is successful.

##### Delete:

Press and hold match key of the controller for 5s, The LED indicator fast flash a few times means match was deleted.

#### Utilizzare il tasto Match del Dw1

##### Abbinamento:

Press the match key of the controller, immediately press on/off on the Tuya APP. The LED indicator fast flash a few times means match is successful.

##### Cancellare:

Press and hold the match key of the controller for 5s. The LED indicator fast flash a few times means match was deleted.

#### Use Power Restart

##### Match:

Switch off the power of the controller, then switch on power, repeat again. Immediately short press on/off key 3 times on the Tuya APP. The light blinks 3 times means match is successful.

##### Delete:

Switch off the power of the controller, then switch on power, repeat again. Immediately short press on/off key 5 times on the Tuya APP. The light blinks 5 times means match was deleted.