

Timer Control Series

MODEL: TC450



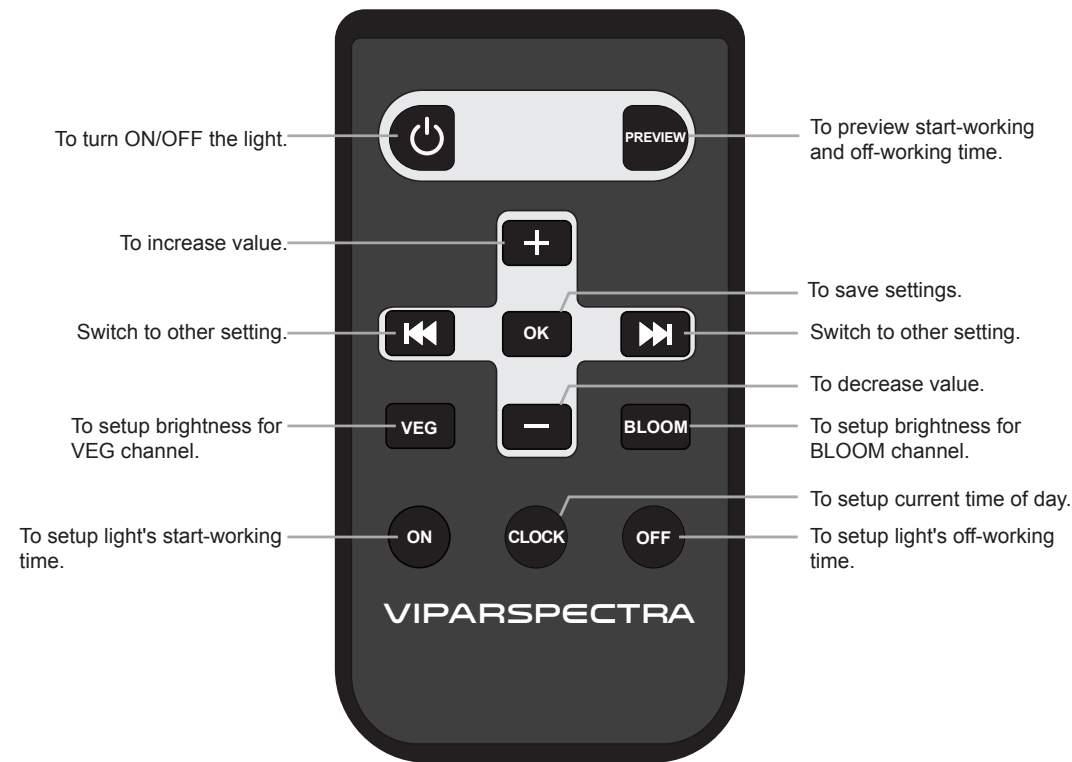
3pcs **IR** look dim

For flowering stage: use all channels with 100% brightness.
 This light includes IR (Infrared) LEDs which look dim/invisible, they are not faulty LEDs.
 One fan will work while VEG channel on, the rest one fan will work while BLOOM channel on.
 The digital display will be turned off so it will not illuminates/emits blue light during light off-working time.

Specifications:

Model:	TC450	HID Replacement:	400W HPS/MH
LED Power:	450W	Vegetative Coverage at 24":	2.5x2.5ft
Actual Power Draw:	110V: 205W±3%; 220V: 200W±3%	Flowering Coverage at 18":	2x2ft
LED Quantities:	90pcs Epiled/Bridgelux LEDs	Use for:	all stages grow and flowering
Total Harmonic Distortion:	< 15%	Housing Dimensions:	19.7 x 8.5 x 2.8 inches 50 x 21.5 x 7 cm
Input Voltage:	AC100-240V	Item Weight:	10.5 lbs
Frequency:	50-60Hz	Lifespan:	≥100,000 hours

Setting system with Remote



Step 1. Remove the plastic separator from the battery.

Step 2. Press **Power** to turn on the light.

Step 3. Press **VEG** to setup brightness for VEG channel. Using **+** and **-**, select the desired brightness. Press **OK** to save settings.

Step 4. Press **BLOOM**, repeat step 3 to setup brightness for BLOOM channel.

Step 5. Press **CLOCK** to setup current time of day, the hour will flash. Using **+** and **-**, select the desired hour. Press **Left Arrow** or **Right Arrow** to save the hour and activate the minutes. Using **+** and **-**, select the desired minutes. Press **OK** to save settings, or wait about 3 seconds and the programmed time will be automatically saved.

Step 6. Press **ON** to setup light's start-working time, the hour will flash. Using **+** and **-**, select the desired start-working hour. Press **Left Arrow** or **Right Arrow** to save the hour and activate the minutes. Using **+** and **-**, select the desired minutes. Press **OK** to save settings, or wait about 3 seconds and the programmed time will be automatically saved.

Step 7. Press **OFF**, repeat step 6 to setup light's off-working time.

Step 8. Press **PREVIEW** to confirm that the system has saved the desired start-working and off-working time.

Note: Timer controls both channels on/off together. Cannot turn VEG and BLOOM channel on/off separately.

Using Suggestions

The following section will help guide you in the process of evaluating the best methods for each stage of plant growth. Like many other growers, you can use this light throughout the seeding and flowering stages of your plants life. Remember to properly adjust the height and brightness of your light according to your plants desired level for optimal growth.

TC450	Height (above plants' canopy)	Using Hours	Brightness (VEG/BLOOM)
3-5 days acclimation period	36" - 40"	10 on / 14 off	40 / 15
Seedlings/ Young vegetative	32" - 36"	12 on / 12 off	60 / 30
Vegetative Stage	24" - 32"	18 on / 6 off	100 / 60
Flowering Stage	18" - 24"	12 on / 12 off	100 / 100

Adjust the height and brightness accordingly to desired coverage and how well each individual plants responds as the brightness increases. The key is to always observe your plants and listen to what they're telling you. If the leaves are pointing hard towards the light, they love it! Give them more! If they shy away or appear limp and unhappy, while all other components and environmental variables are correct, back off with the light! They'll let you know very quickly how they feel. This is of course... the key to horticulture in general.

Setting system with Control Knob

Digital Display OVERVIEW

Main menus:

CH1 : VEG channel

CH2 : BLOOM channel

H-SE : Timer setting



Sub-menus of "H-SE":

ON : Start-working time

OFF : Off-working time

CL00 : Current time

Actions OVERVIEW

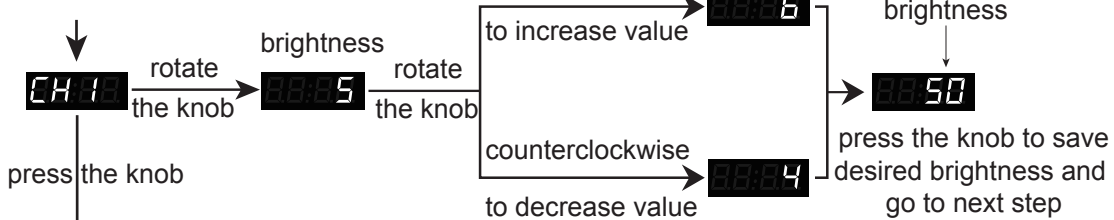
Action	Function
Press the knob	1. power on/off 2. change mode 3. save settings
Rotate clockwise 	1. enter mode 2. increase value (+1)
Rotate counterclockwise 	1. enter mode 2. decrease value (-1)

NOTE:

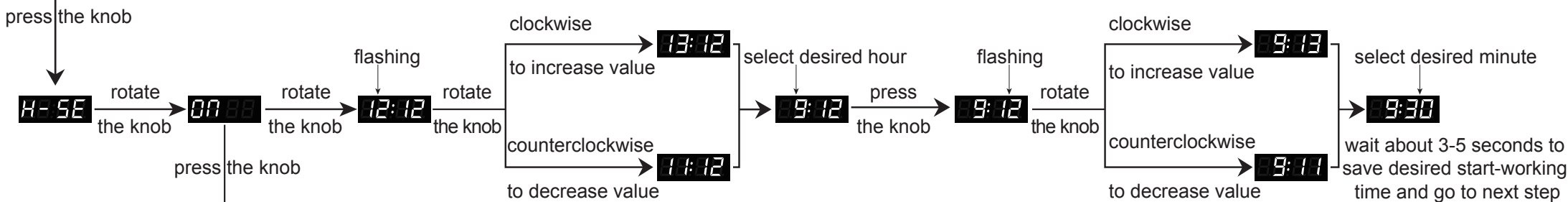
1. Keep pressing the knob around 3 seconds can turn off the light.
2. System will save settings and back to superior menu if no action within 3-5 seconds.
3. Timer controls both channels on/off together. Cannot turn VEG and BLOOM channel on/off separately.

Setting Process

Press the knob to start



CH2 same method as setting **CH1**



OFF same method as setting **ON**

CL00 same method as setting **ON**

WARRANTY TERMS

1. We offer three years warranty, from the date of purchase, for all of our products purchased against manufacturing defects. If you need warranty assistance, please contact us as soon as possible.

2. The warranty does not cover damage due to high moisture levels, water, power surges, improper hanging/mounting, improper use, dust build-up or user modifications.

3. For USA buyers, if any lights stop working within 30 days, you can choose:

(A) Exchange. We will email you a prepaid return label, please ship the light back to our USA warranty center. A replacement will be sent to you for free as soon as we receive the defective light.

(B) Money back. We will email you a prepaid return label, please ship the light back to our USA warranty center. You will get your money back as soon as we receive the defective light.

(C) Repairing. We can send parts free of charge immediately if you'd like to repair simple defect. Or we will email you a prepaid return label to bring light back, then ship back to you after we repair it. All for free.

4. For buyers outside of the USA, if any lights stop working within 30 days, you can choose:

(A) Exchange. Please ship the light back to our warehouse, buyer pays return shipping. A replacement will be sent to you for free as soon as we receive the defective light.

(B) Money back. Please ship the light back to our warehouse, buyer pays return shipping. You will get your money back as soon as we receive the defective light.

(C) Repairing. We can send parts free of charge immediately if you'd like to repair simple defect.

5. To all customers: if any lights stop working over 30 days after delivery, please contact us to get a satisfactory solution.

6. If a light is sent in with damage that is not covered under warranty, we may still be able to offer warranty service, however that is at our discretion and repairs may bear a cost which will be assessed prior to repairing the light.

7. Our company reserves the interpretation right of this warranty terms. If you have any questions about our warranty policy, please contact us.