



# Automation Is Life



# AUTOMATION IS LIFE

Simple. Smart. Seamless. Toush Inspired by Pensonic (Toush) are smart appliances designed to flow with you. Be immersed in a delightful world of appliances that are designed with aesthetic appeal in mind, seamless functionality and pleasant interaction that satisfies and supports your lifestyle. Your stylish Toush appliances are Wi-Fi enabled and comes with a smart phone app, allowing you to enjoy a world of flexibility and energy savings with automated scheduling, energy usage monitoring, and alerts about performance and servicing to ensure your appliances are always well maintained. Learn new ways to simplify your life and let Toush work its magic in your living space. Why settle for less when you can have more?





# **Contents**

Protect Your Home 1	
Smart Camera	
Smart Home 7 Sensor Kit	
The Only Remote Your Need 10	0
Smart IR	
Smart 12 Switches	2
Be Plugged In 18	5
Smart Plug	
Secure, Keyless Convenience	7
Smart Doorbell	4
Smart Curtain 3	1
Music Dancing Light 37	7
Smart Mood LED Light	

# WHAT IS TOUSH?

# Discover a vast world of automation possibilities with Toush Smart Home Appliances!

Toush Inspired by Pensonic (Toush) are smart IoT appliances that are WiFi-enabled, and all the appliances in this series can be remotely controlled using the single Toush App.

Toush signifies touching, sensing, exploring and experiencing life in delightful ways. Toush smart IoT appliances are intuitive appliances that sense and respond to the user, and can be remotely controlled using touchscreen devices. These appliances connect, automate, quantify, optimise energy and resources, giving you more savings while fitting seamlessly into your lifestyle.

Through Toush smart appliances' different sensors such as temperature, air quality, location, vibration, humidity and other sensors, they interact with their environment, delivering useful data and practical recommendations to ensure a comfortable environment for you and your loved ones. Toush appliances are also voice control enabled and compatible with Google Assistant and Alexa for enhanced customer experience and comfort.



# How does Toush elevate your lifestyle to the next level of enjoyment?

- Frees up time occupied in mundane chores to allow more quality moments with your family.
- Eliminates the need to micromanage your life. Helps you to monitor and manage your Toush appliance's status remotely.
- Allows flexibility in scheduling a variety of scenarios to enhance your lifestyle.
- · Saves energy, time and countless other resources.
- Sends timely service updates to maintain your Toush appliances in top notch condition.
- · Voice activated, works with Alexa and Google Assistant.





# PROTECT YOUR HOME

Now you can enjoy peace of mind with Toush Smart Camera protecting your home. One of the advantages of having a smart camera protecting your home is being able to know what's going on when you're away from home. Whether you're checking in on your old parents, children, pets, or your garden, a home security camera assists you to keep an eye on things from anywhere. Toush Smart Camera lets you view what's happening in your home through a live video and motion sensors that sends you notifications when it detects activity. It provides you with 360 vision, and able to pan or tilt camera by sliding on smart device, inside App Zoom and able to insert date and time watermark. Toush Smart Camera also sends video feeds right to your smart device. It prompts you when something is a miss or maintenance is due. Relax, because Toush Smart Camera on the job, taking care of your loved ones and your property.



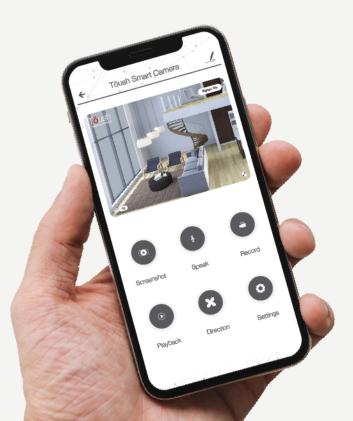


### **TOUSH SMART CAMERA**

T8301SC-MT

#### **KEY FEATURES**

- Manage your Toush Smart Camera with Toush App.
- Screen flip function allows maximum flexibility with up and down direction video streaming.
- Pan/tilt rotate your camera by sliding on your smartphone for 360 degree vision.
- Built-in sound and motion sensors detect and track movements, camera will send push notifications and App alerts.
- Motion detection can be set all day or according to schedule.
- Option of video recording by event or 24 hours non-stop recording.
- Zoom app to view date and time watermark.
- Powerful night-vision.





360 degree vision



Motion detection



24 hours recording



Two way audio



Support HD/SD



Night mode





# Sharp Night Vision

The Smart IR LEDs with auto light up switches help Toush Smart CCTV Camera deliver crystal clear images in extremely low-light conditions up to 10m.







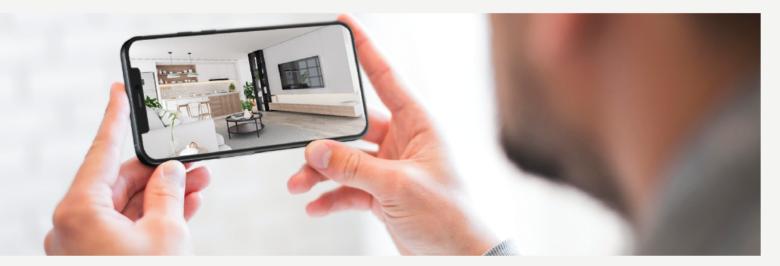
• 1080P HD Security Camera with Build-in Mic 3.6mm Wide View Angle





# 1080 HD Resolution

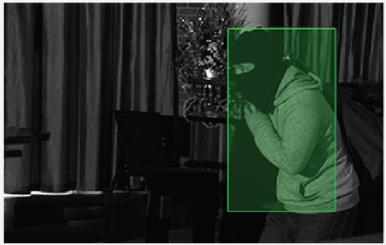
- Experience magnificent 1080P HD footage featuring 360 degree super wide view angle
- Sharp low light capacity utilizing 1/3 CMOS image sensor and chipset.
- Entire scene captured in pixel by pixel rich imagery in 1920 x 1080 resolution.

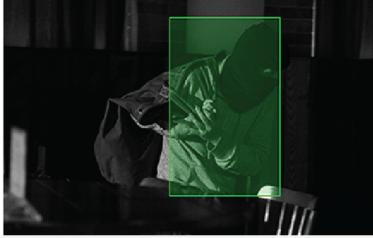


### Mobile

# Viewing & Alerts

- View, record and playback 1080P HD footage directly from your smart device with Toush App.
- Automatically records HD footage directly in 128GB MicroSD/HD card.
   No worries about losing footage with Toush App.





### Motion

# **Detection Alerts**

- Intelligent alerts sent directly to smart devices via the Toush App upon motion detection.
- Real time notifications when smart home camera goes offline.

### **SPECIFICATIONS**

SPECIFICATIONS	
Voltage	: DC5V, 1A
Power	: 4.5W Max
Actual Product (Measurement)	: 87.4(L) x 87.4(W) x 123.3(H) (mm)
Weight	: 0.182kgs (200g)
Sensor Type	: 1/3 CMOS
Pixel	: 2.0 Mega
Min Luminance	: Color 0.01 Lux@F1.2 Black and White 0.001Lux@F1.2
Lens	: 3.6mm F2.0, 105°
Shutter	: 1/25 ~ 1/100,000 per second
IR	: High Power LED with ICR
IR Distance	: up to max 10m
WDR	: Digital WDR
Video Compression Standard	: H.264
Bit Rate	: 32Kbps – 2Mbps
Max Picture Size	: 1920 x 1080
Frame Rate	: 1 ~ 25 per Second
Image Setting	: Support HD/SD
Audio	: Two-Way Audio
Storage	: Support SD Card (Max 128G)
Communication Protocol	: HTTP, DHCP, DNS
Wifi Standard	: IEEE802.11b/g/n
Frequency	: 2.4GHz ~ 2.4835GHz
Channel Bandwidth	: Support 20/40MHz
Wifi Security	: WPA-PSK/WPA2-PSK
Date Security	: AES128
Intelligence	: Support Motion Detect
Reset	: Support
Adjustable Angle	: Tilt -10° ~ 60°, Pan 0° ~ 355°
Working Temperature	: -20°C ~ 55°C
Accessories:	: Micro USB Cable, 5V 1A USB Power Adaptor,
	Reset Pin, Screw & Bracket
Supported mobile phone OS	: iOS 8 or later, Android 4.2 or later



# SMART HOME SENSOR KIT

Automate your home with Toush Smart Sensor Kit.
The Toush Smart Sensor Kit comprises Toush Smart
Gateway, Toush PIR (Motion) Sensor, Toush Smart
Temperature & Humidity Sensor and Toush Smart Door
and Window Sensor to make your home safer. Schedule
to turn on the lights as you come home, monitor movements,
check history logs, automate access and receive real time
alerts by setting up customised prompts with your
Toush Smart Sensor Kit.





### TOUSH SMART WIRELESS T8111SGW-ZBW **GATEWAY**

#### **KEY FEATURES**

• Toush Smart Gateway is the core of the Toush ZigBee devices. Users can manage and implement different smart application scenarios by adding Toush ZigBee devices.

#### **SPECIFICATIONS**

Power	: DC 5V, 1A
Connection	: WIFI 802.11 b/g/n, Zigbee 802.15.4
	Compatible with devices having Zigbee HA protocol
	such as lights, socket and sensors.
Operating Temperature	: 10°C - 50°C
Operating Humidity	: 10% - 90% RH (no condensation)
Dimensions	: 65(L) x 65(W) x 14.5(H) (mm)
Weight	: 0.03 kgs
Accessories	: USB cable x 1pc



## TOUSH PIR MOTION SENSOR T8201SPIR-ZB

#### **KEY FEATURES**

• The Toush Smart PIR (Passive Infrared or human motion) sensor detects movements of people or animals. Be alerted whenever someone is in your home when they're not supposed to be. This sensor is connected to gateway via Zigbee wireless connection.

#### **SPECIFICATIONS**

Range distance	: 7 meters
Range angle	: 170 degrees
Battery specifications	: CR2450
Operating temperature	: -10°C - 45°C
Operating humidity	: 10% – 90% RH (no condensation)
Wireless connection	: ZigBee



# TOUSH SMART TEMPERATURE & HUMIDITY SENSOR

T8202THZ-ZB

#### **KEY FEATURES**

 Toush Smart Temperature & Humidity Sensor detects the room ambient temperature and humidity. Having a temperature sensor for refrigerator will prompt you if the kids have left the fridge door open as temperature becomes hotter in the fridge and whether the fridge is working properly. This sensor is connected to gateway via Zigbee wireless connection.

#### **SPECIFICATIONS**

Battery	: CR2032 (Replaceable)
Temperature detection range and accuracy	: 10°C - 50°C, +1°C
Humidity detection range and accuracy	: 0% - 100% RH (no condensation), 3%
Wireless Connection	: ZiaBee



# TOUSH SMART DOOR & WINDOW SENSOR

T8203SWS-ZB

#### **KEY FEATURES**

 The Toush Smart Door and Window Sensor detects the opening or closing of door and window. Wondering whether you closed your door and windows before you left to work? No worries. Just check Toush App! This sensor is connected to gateway via Zigbee wireless connection.

#### **SPECIFICATIONS**

Battery	: CR2032 (Replaceable)
Operating temperature	: 10°C - 50°C
Operating humidity	: 10% – 90% RH (no condensation)
Wireless Connection	: ZigBee





### TOUSH SMART IR T8102SIR

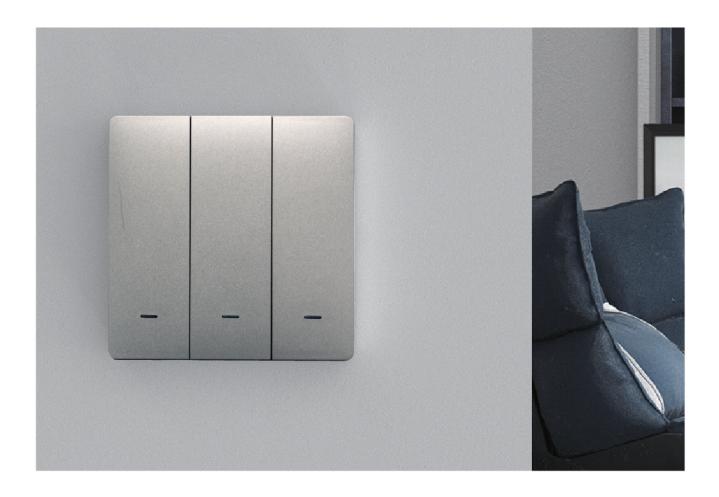
#### **KEY FEATURES**

11

- Supports all IR-enabled home appliances. No need for remotes anymore
- Controls appliances via your smartphone using Toush App.
- Compatible with all IR devices such as air purifiers, air conditioners and more.
- Suitable for Android and iOS devices.
- Voice control enabled, compatible with Google Assistant and Alexa.







# **SMART SWITCHES**

Replace the old, conventional switches in your home with this elegant Toush Smart Switch for added convenience and flexibility. Connect these switches with almost anything including fans, lights and other home appliances while enjoying immense energy savings through automation. Schedule your lights to turn off in the morning and turn on the coffee maker while you're taking your bath. Your coffee is ready for your breakfast.



# TOUSH SMART SWITCH (Wireless)

### **KEY FEATURES**

- With big button panel
   Supports most smart speakers
- Neutral Wire not required
   Available in 4 colours
- Replace old switches easily

### **AVAILABLE 4 COLOURS**



13

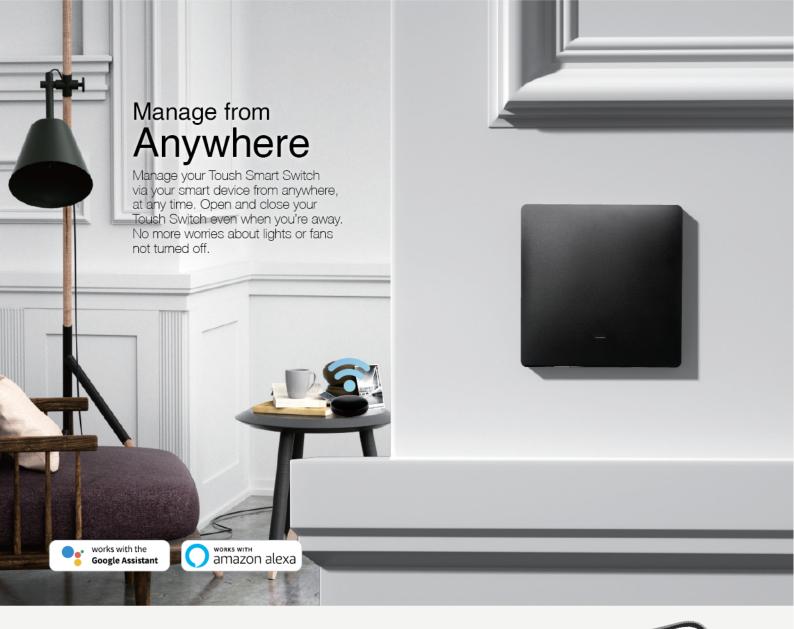






### **SPECIFICATIONS**

Toush smart switch  Toush trainer branch  Long priess to edit switch name  Switch  Switch  Switch  Switch	Model No. 1 Gang	: T891101SS-ZBS (WH)
		T891101SS-ZBS (BK)
		T891101SS-ZBS (GR)
		T891101SS-ZBS (GD)
	2 Gang	: T891201SS-ZBS (WH)
		T891201SS-ZBS (BK)
		T891201SS-ZBS (GR)
		T891201SS-ZBS (GD)
	3 Gang	: T891301SS-ZBS (WH)
		T891301SS-ZBS (BK)
		T891301SS-ZBS (GR)
		T891301SS-ZBS (GD)
	Voltage	: 100-250V
	Frequency	: 50-60Hz
	Power	: 3-800/gang (max 2000W
	Measurement	: 86*86*41



Toush Smart Switch allows you flexibility to automate your home with affordable, WiFi wireless smart switch that lets you automate or remotely control lighting and other electrical home appliances. Enjoy immense energy savings through automation and scheduling smart switches to operate and switch off at your preferred time. Compatible with Alexa and Google Assistant. Available in Space Grey, Black, White and Champagne Gold.







# **BE PLUGGED IN**

Turn on and off any appliance that plugs into a standard wall socket with a Toush App. Just plug the Toush Smart Plug into any wall socket and plug in the appliance into it. Now you can turn on and off the appliance using your smart phone or device.



## TOUSH SMART PLUG (Wi-Fi) T89201SP-13BS

#### **KEY FEATURES**

- Automate any appliance that plugs into the Toush Smart Plug with Toush App.
- Enjoy more energy and cost savings by scheduling your Toush Smart Plug to switch on and off at certain times.
- Ensures home safety by turning off appliances that one has forgotten to switch off after use.



### **TECHNICAL SPECIFICATIONS**

Rated Voltage	: 250V
Rated Current	: 13A
AC Frequency	: 50/60Hz
Max. Power	: Up to 3250W
Wireless Type	: 2.4GHz
System Support	: iOS / Android

# AWay From Home Control

Assign control to another person by entering '4' and '#' on Toush Smart Door Lock. Notification will be sent to the other person and complete access will be given to him/her.

1 2 3

4 5 6

7 8 9

\* 0





T**ö**ush



# SECURE, KEYLESS CONVENIENCE

No more hassle of carrying keys around. Use any smart device as remote control. Choice of password, smart card, fingerprint, remote control or key to create and revoke access instantly. Decide who gets access and when, and receive auto activity updates. You're the boss. Create unique password for each user, create different access duration and access method for each family member and guest. Other than using a key, there are four other ways of accessing your Smart Door Lock.











FINGERPRINT

PASSWORD CA

KEY

MOBILE REMOTE

#### **KEY FEATURES**

- The total password capacity of system is 100. The first three are administrator passwords.
- Supports 6-8 password and 20 virtual passwords.
- Supports low power warning and pickproof alarm.
- Supports volume adjustment and doorbell alarm.

#### SPECIFICATIONS

Model Number	T8401SDL
Item Weight	2.5kg
Product dimensions	330*71*25mm
Power Supply Mode	Support 4 AAAA Alkaline batteries
Material	Aluminum Alloy
Color	Black
Handle	L/R
Users	Up to 100 users
Password	Up to 6-8 digit code
Key pad	Touch Screen, 12 keypads & reset button
Emergency Charging Port	Micro USB Cable
Sound system	Audio + Alarm (English) and Door Bell Function
Door Thickness	Support 4-10mm thickness
CPU	ST_ARM@Cortex-M08 digits micro controller
Auto lock	5s
Volume Adjustment	Yes
Hijack Unlock	Yes





Toush Fingerprint sensor uses advanced high-resolution images of fingerprint in 360-degree orientation and groups each fingerprint into precise categories.

## Deadlock Function

Here's a powerful function. You can lock manually using this lock function, but the door cannot be opened using any mode.





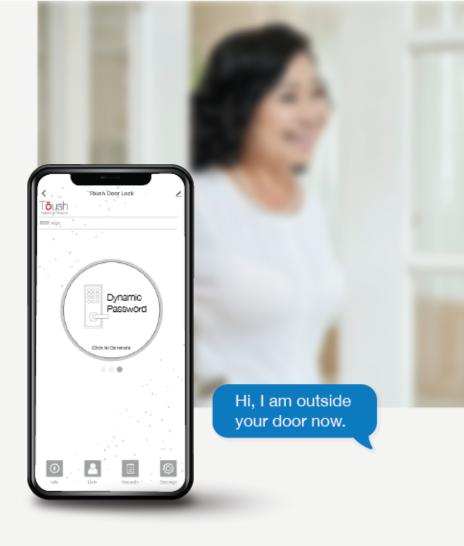


# Anti-peep Protection Password

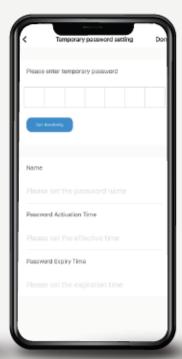
Stop strangers from finding out your password with this anti-peep protection password function. Type in random numbers, followed by the actual password in sequence, and then random numbers again. The door will open as long as the correct password is typed in sequence. No one will know what is the actual password. Supports up to maximum of 20 numbers.



Unexpected guests but you're away from home? Why not give a single use password? Toush App will generate a Dynamic password that is valid for only 5 minutes. This password can be sent remotely via smart device.







# Smarter Renting & Hosting

Toush Smart Door Lock makes renting out rooms and hosting a breeze. Connect your Toush Smart Door Lock with Toush App and send your renters an auto generated code that expires on checkout. You can even revoke their passcodes whenever you need to.





# Hijack SOS Alert!

In the event a thief is forcing you to open the door, you have no choice but to comply, but once you use the special hijack password or finger print, your family will immediately receive notification from Toush App to alert them you are in danger and need help.

# Automation

Scenarios

Create automation scenarios with Toush Smart Door Lock and Toush Smart Switches. As soon as a Toush Smart Door Lock is opened, the Toush Smart Switch automatically turns on the light to illuminate your living space.











# **Smart Doorbell**

Toush Smart Doorbell empowers you to see and speak to visitors and delivery personnel, for you to stay on top of what's happening at one of the most crucial safety points at your home.

### Smart

# Features

- Manage your Toush Smart Doorbell with Toush App.
- Screen flip function allows maximum flexibility with up and down direction video streaming.
- Built-in sound and motion sensors detect and track movements, camera. sends speed push notifications and App alerts.
- Motion detection can be set all day or duration of preferred time.
- · Video recording.
- · Powerful night-vision.



Toush Smart Doorbell T83101SDB



Motion detection



24 hours recording



Two way audio



Support HD/SD



Night mode



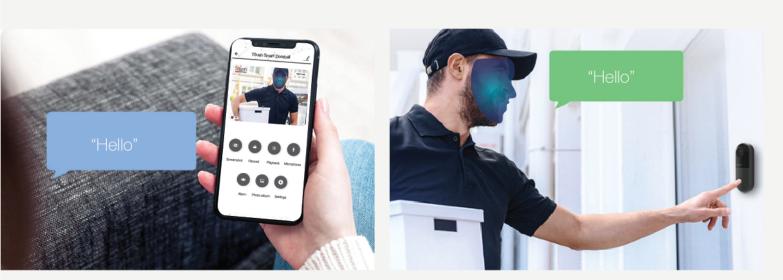
Have complete control over who is entering your home with your doorbell's live 1080p HD video and audio via your Toush App.







• Intelligent alerts sent directly to smart devices via the Toush App upon motion detection.



# Two-Way Talk

• Talk and listen to visitors directly from smart device.

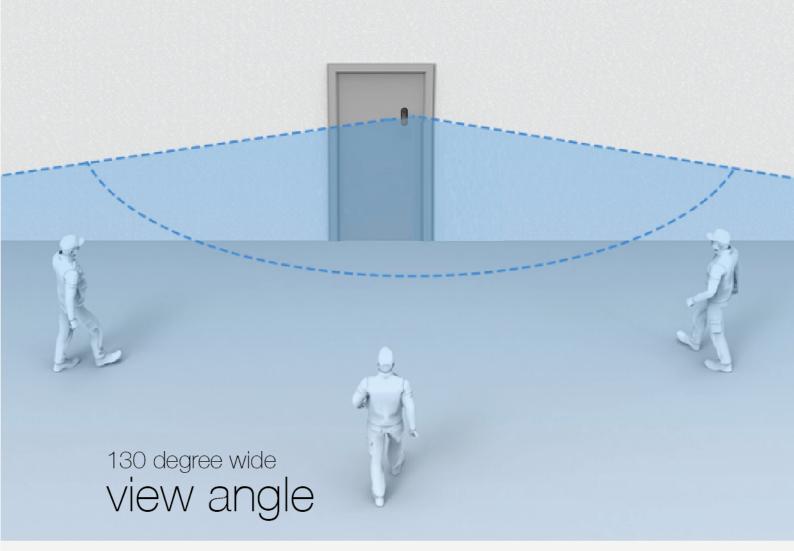




# 1080 HD Resolution

• Observe 1080P HD video footage on Toush App with 1/29" 2 Megapixel CMOS image sensor. A wide 130 degree diagonal viewing angle allows wider vision to keep your loved ones safe.





- The Toush Smart Doorbell is equipped with a super wide 130 degree viewing angle, allowing you to keep an eye on what matters most to you.
- Combined with two-way audio, the Toush Smart Doorbell is the perfect monitoring tool for your front door.



• View Full HD footage from anywhere around the world via Toush App. Record HD footage directly to a 128GB MicroSD/HD card. No worries about losing footage with Toush App.

1080P FULL HD Camera, Motion Detection, IR Night Vision



SD Card Storage (MAX 128GB)

### **Specifications**

Bell 5S - 1080P Smart Doorbell

#### Camera

Image sensor : 1/2.9" 2 Megapixel CMOS

Effective pixels : 1920(H)\*1080(V) Shutter : 1/25~1/100,000s

Min illuminance : "Colour 0.01Lux@F1.2

: Black/White 0.001Lux@F1.2"

IR distance : Night visibility up to 10m Day/Night : Auto(ICR)/Colour/ B/W

WDR : DWDR

Lens : 3.2mm@F2.0, 130°

#### Video& Audio

Compression : H.264

Bit rate : 32Kbps~2Mbps Audio input/output : Built-in Mic/Speaker

#### Network

Alarm trigger : Button triggering

Communication Protocol : HTTP, DHCP, DNS, TCP/IP, RTSP

Interface protocol : Private

Wireless : 2.4G WIFI(IEEE802.11b/g/n)

Supported mobile phone OS : iOS 8 or later, Android 4.2 or later

Security : User authentication, software encryption

#### General

Operating temperature : -20 °C to 50 °C

Power supply : AC12~24V

Ingress protection : IP54

Accessory : Mechanical chime kit, wireless chime

Storage : SD card (Max.128G), Cloud storage, NVR

Dimensions : 115x45x26mm

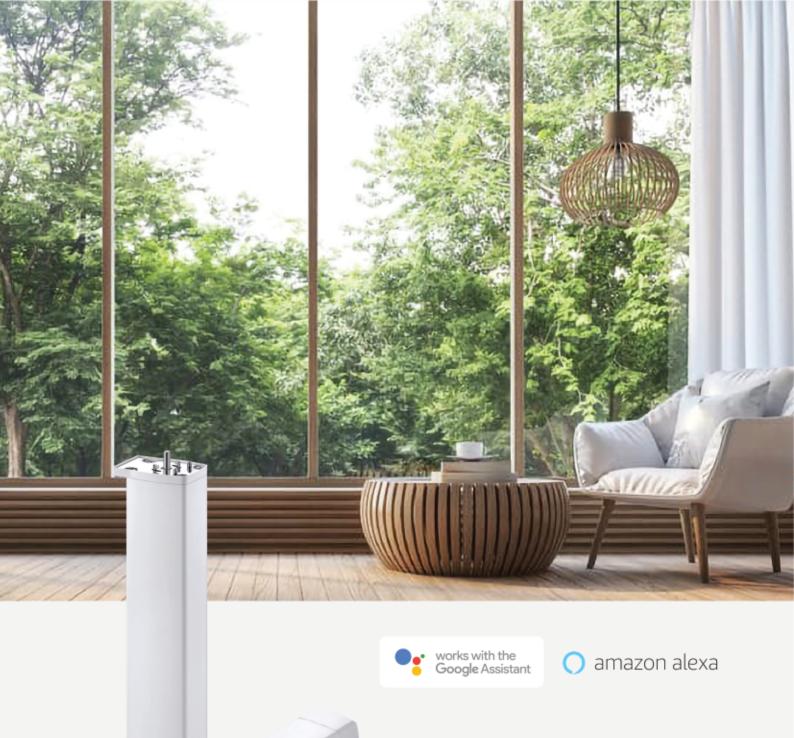
Net weight : 78g



T88201SCS-ZVDC T88301SCS-ZVDC T88401SCS-ZVDC

> AUTOMATION — IS LIFE

Töush



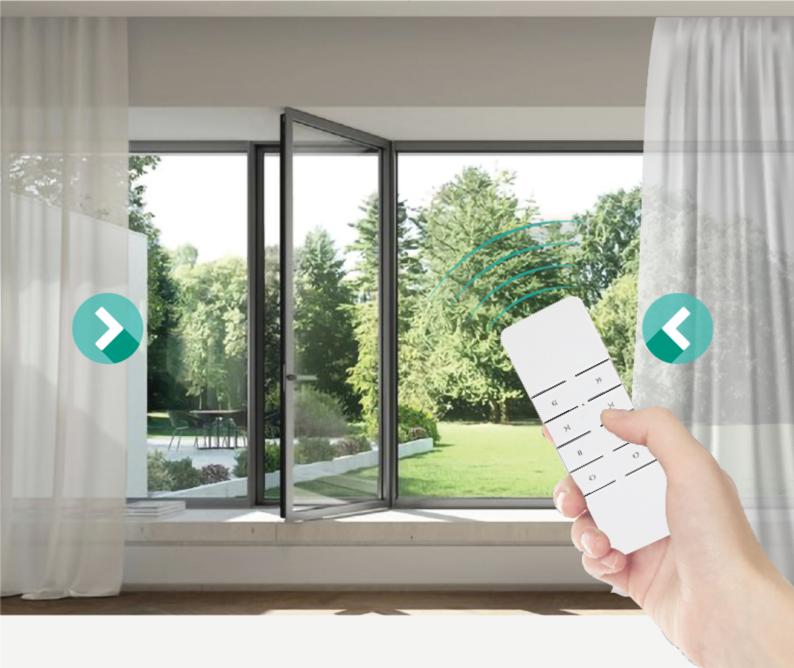
Töush

# Smart Curtain Motor

- Extremely silent < 38dB</li>
- · DC Motor allows smooth, variable speed
  - Smooth operation and smooth stop
    - · Wall Switch (Optional)

#### Curtain Models and Specifications

Model	Rated Voltage	Rated Current	Rated Torque	Rated Speed	Linear Speed	Load Weight (kg)	Length
T88201SCS-ZVDC	12V	1.5A	0.8-1.2Nm	90rpm	0.16m/s	50kgs	2.2m
T88301SCS-ZVDC	12V	1.5A	0.8-1.2Nm	90rpm	0.16m/s	47.5kgs	3.2m
T88401SCS-ZVDC	12V	1.5A	0.8-1.2Nm	90rpm	0.16m/s	45kgs	4.2m





## DC Motor

- Computerised DC Motor
- · Less shaking compared to AC motor
- More energy efficient and safe
- Easier control
- Powerful industrial level transformer



### Toush Touch

Control your wireless curtain from anywhere. Just pair your Toush Smart Curtain with Toush App and enjoy the convenience of opening and closing your curtain with just a touch on your smart device. You can even schedule it to open and close as you wish!



## Simple Operation

User friendly design that is easy to operate, smart and safe!



#### Low-Power

DC Motor power is independent of load. Using only 12V, it uses the lower transformer power, therefore generates lower heat. This means a longer motor working life.



## Big Torque

Big Torque withstands heavier curtain load.



#### Stable Movement

Big Motor has better stability. The bigger the motor, the better the motor structure and PCB controller. The bigger and heavier motors are also more durable.



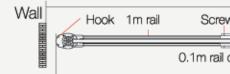
## Multiple Functions

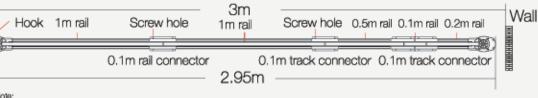
Convenient operating features allow pull to start, and can manually pull curtain when power is turned off. Also, it stops running when there is resistance. The operation is extremely smooth with gliding action.



### Smart Curtain Rail Installation Guide

Example: 3 meters rail solution

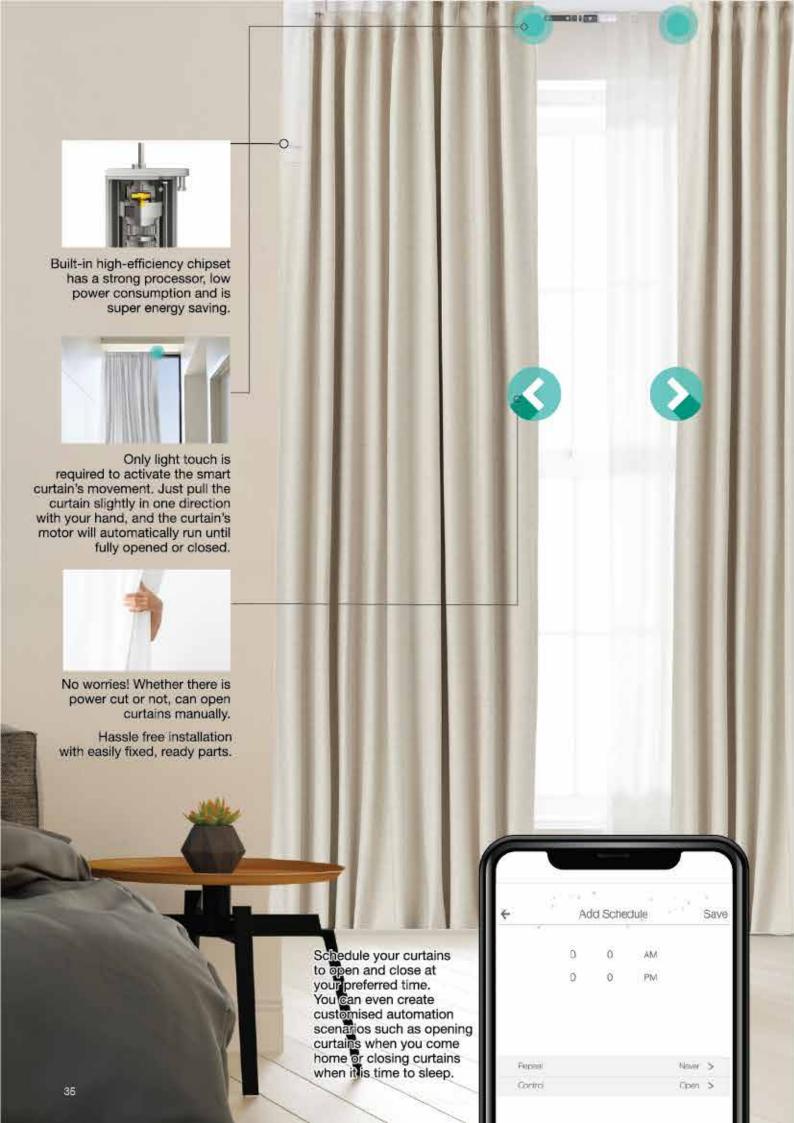




The gearbox is 0.15m. The geatbox extension size is according to the different ourtain motor model. The installation space between the rail and wall should be at least 0.01m.

- The 0.5m, 0.2m and 0.1m rails are adjustable. The 0.1m rail is a connector and should be mounted on the head of the curtain rail (the closest position to the wall).
   Accessories: Remote control, mounted brackets, wall switch (optional), 90° rail joints (optional), 135° rail joints (optional).
   Please use 0.05m rail to fix rails between 0.01m and 0.05m.

	Total Length	Suitable Size
1	2.2M	<2.16M
2	3.2M	2.16M-3.16M
3	4.2M	3.16M-4.16M



# Add a touch of luxury and customised comfort to your home with Toush Smart Curtain.





Gear Box Pulley assembly to put opposite the motor side with gear box



Track 1,3mm track



Joint for joint track



Ceiling Mounting Thickness 1.8mm



Belt Timing belt with steel core tension cord and fabric on both sides



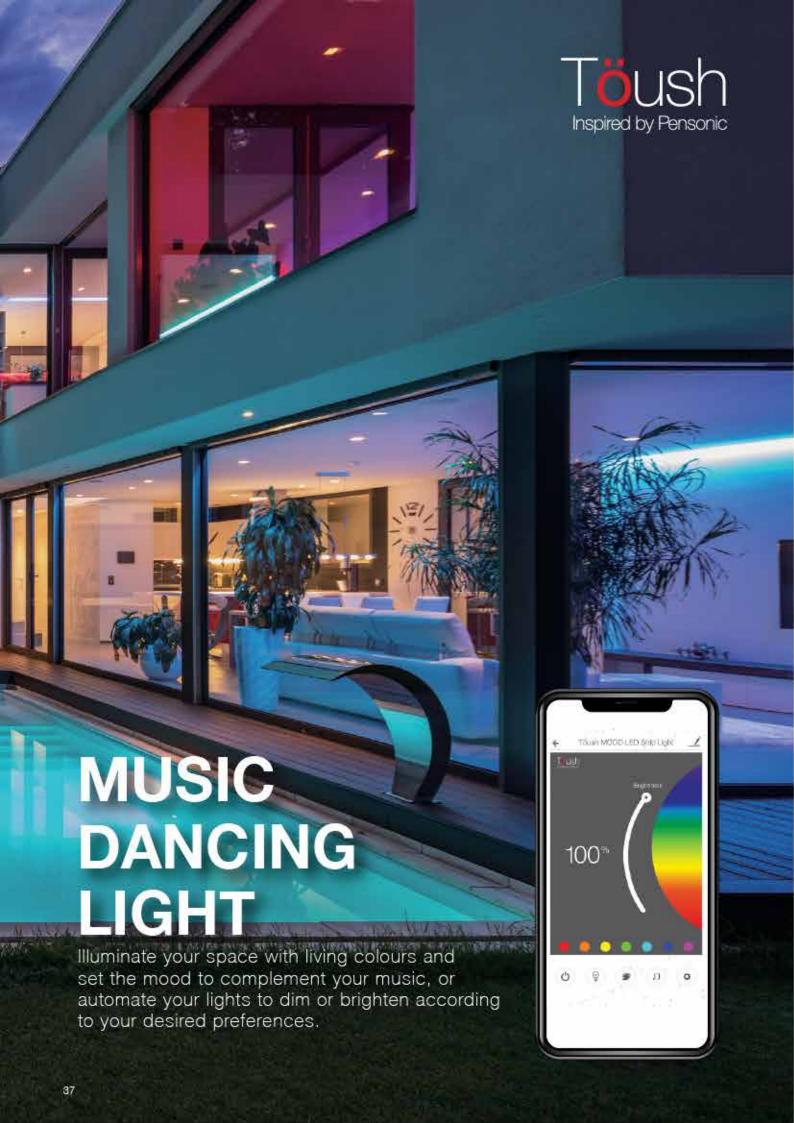
Lock to fit the track and crive unit



Pulley for track



Runner Classic runner





### **TOUSH SMART MOOD LED LIGHT**

T8970RSSLS-5M

#### **KEY FEATURES**

- DC 12V, 2.0A
- 5050SMD
- Dimmable brightness
- Multi preset scene
- 5m RGB music LED strip

Timer mode using Toush App

Works with Google Assistant & Alexa

Built in microphone light dances with music

#### **SPECIFICATIONS**

Voltage : 100V-240V

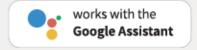
Frequency : 50/60Hz 0.7A

Power : 8.4W+/-1W





Make your living space a reflection of your moods with the beautiful and vibrant colours of Toush Smart Mood LED Light. Change the ambience of your living space at the spur of the moment with Toush Smart Mood LED Light's kaleidoscope of living colours and let your gorgeous ambience be a feast to your eyes and soul. Whether you're in the mood for an exciting party evening or just a tranquil home alone time, set different scenarios on Toush App and enjoy the illuminating change of your desired ambience with Toush Smart Mood LED Light. This amazing mood light is voice compatible with Alexa and Google Assistant for your convenience.







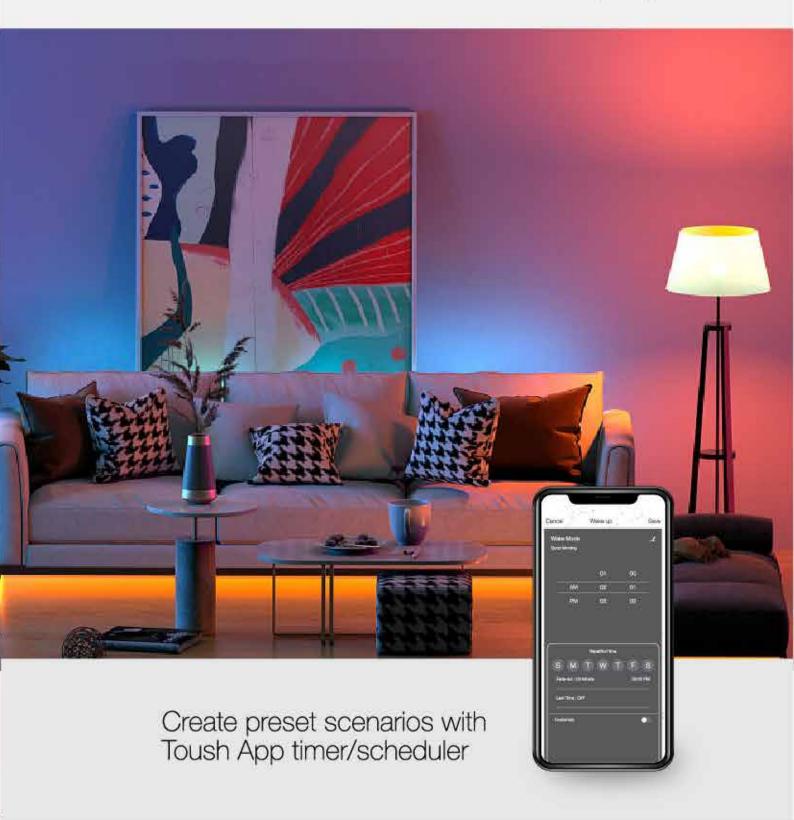


# CUSTOMISED LIGHT INTENSITY

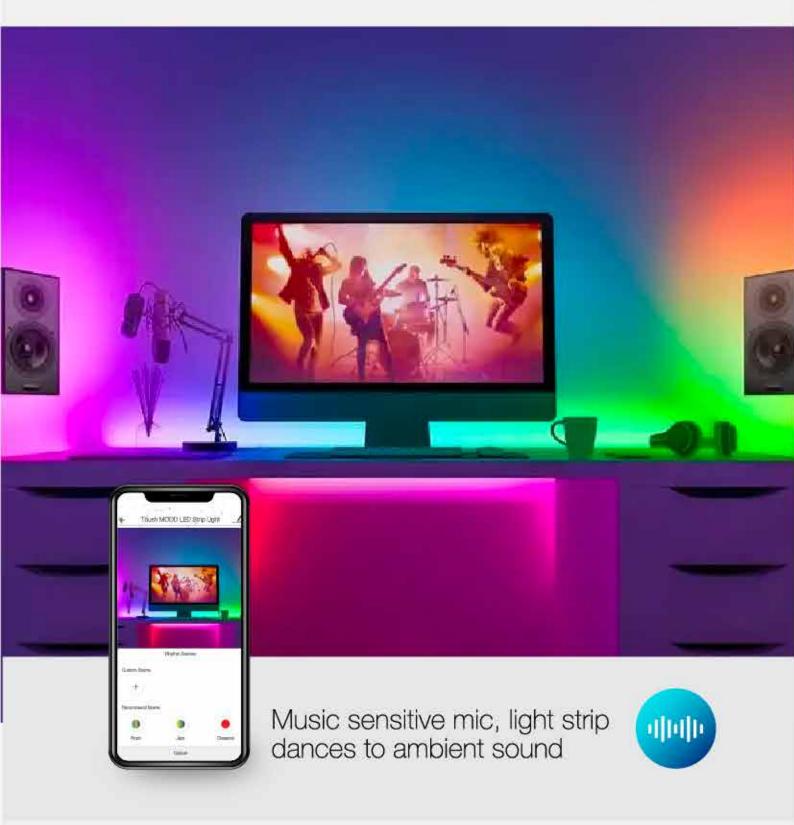
Have a ball setting up different scenarios to suit your different needs. Toush Smart Mood LED Light has a dimmable light intensity and a variety of colours to suit your different moods. It is slim enough to fix on any dry and flat surface with the flexibility to cut into customised lengths. You can now have the freedom to create a dynamic and radiant effect in your interiors without spending a single cent!















#### JUST ONE APP

With just one App, you have access to all your Toush smart electrical home appliances!
Connect, automate, remotely manage and monitor all your Toush appliances from your smart device with the Toush App.



Scan to start the journey



Distributed By:
PENSONIC SALES & SERVICE SDN. BHD. (162419-M)
1165, Lorong Perindustrian Bukit Minyak 16,
Taman Perindustrian Bukit Minyak,
14100 Simpang Ampat, Penang, Malaysia.

facebook/toushinspiredbypensonic