

KVM Management Control Unit

(IPK600)

User Manual

Print date: 2024/05

Version: V1.0

User Information

User Notification

All information, documentation, and specifications contained in this manual are subject to change without prior notice. The manufacturer does not make any explicit or implied statement or guarantee about the contents of this document, especially for merchantability or fitness for any specific purpose. Any manufacturer's equipment described in this manual is sold or licensed as it is.

If the equipment is damaged artificially after purchase, the buyer (not the manufacturer, its distributor or reseller) shall bear all costs for necessary repair and any losses caused by equipment defects.

If the correct operating voltage setting is not selected before operation, the manufacturer will not be responsible for any damage caused by system operation.

Please make sure the voltage has been set correctly before use.

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1. Overview

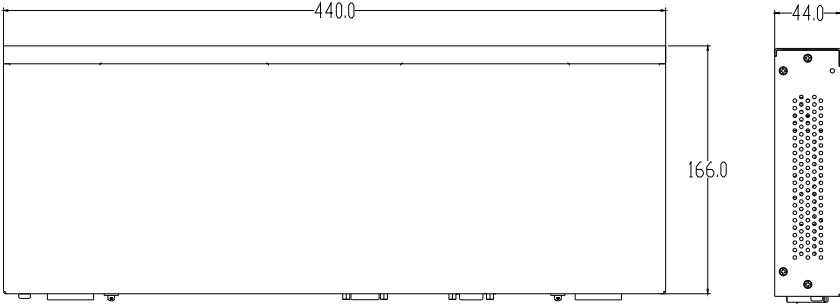
Product Description

The matrix manager unit is an easy-to-use hardware to configure, manage, and monitor all transmitter and receiver units. With an intuitive interface, you can configure user access rights and get a real-time overview of system connections and users through the manager unit. It's easy to set up the manager unit, no software is needed, just connect it with a keyboard, mouse, and monitor will be OK. The matrix switching system composed of extenders supports up to 9999 nodes by using the IPK600 centralized management control unit.

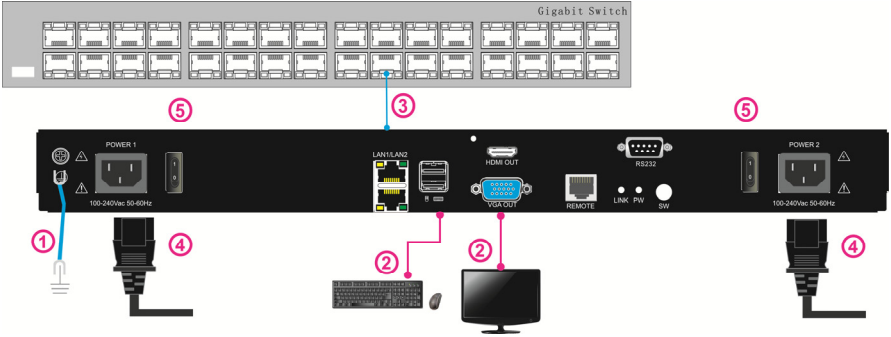
Product Features

- Dual power supply redundancy
- Dual network port redundancy, adaptive 10/100/1000 Mbps network
- Support VGA, HDMI output
- Supports long-distance one-to-one, one-to-many, many-to-one, and many-to-many TX / TX connections
- Intuitive interface – Device settings, Work Group, and Quick Connection
- Administrator user can manage up to 9999 nodes
- Quickly switching between different receivers
- Configurable user access rights to get a real-time overview of system connections and users
- Support TX and RX configuration (EDID, speed, flash, firmware upgrade, etc.)

Dimensions

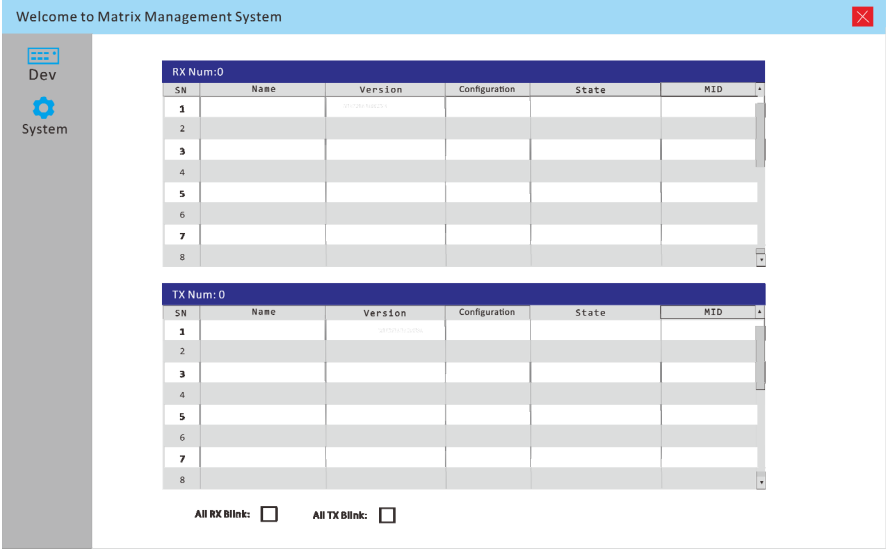


2. Installation



- 1) Make sure the IP KVM management unit (Figure ①) is grounded.
- 2) Connect the monitor, USB mouse, and USB keyboard to the KVM management unit (Figure ②).
- 3) Connect the network switch to the KVM management unit with a network cable (Figure ③).
- 4) Connect the power cord (Figure ④) to the power socket of the KVM management unit.
- 5) Turn on the power switch (Figure ⑤), and the KVM management unit can be used normally after power on.

The following interface appears after logging in to the KVM management unit.

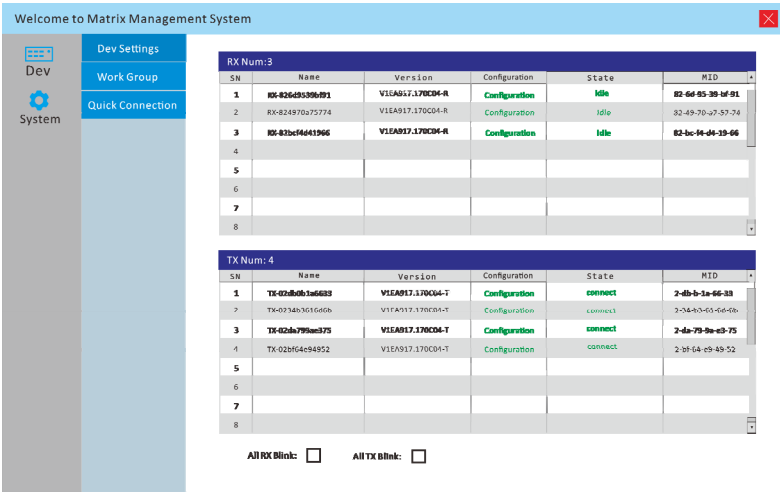


You can see all the RX and TX device information after a while.

3. UI Settings

3.1 Function Settings

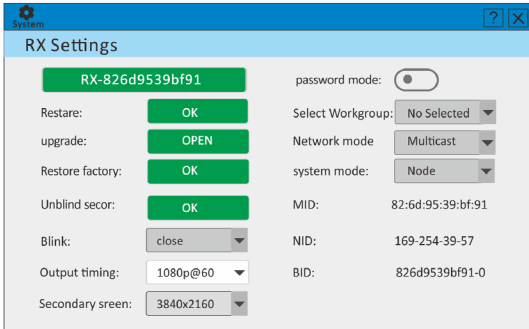
【DEV】 – 【Dev Settings】



Function	Description	
RX Num / TX Num	The total number of connected TX and RX	
SN	SN number of RX / TX list	
Name	RX / TX name	
Version	RX / TX version	
Configuration	Configuration of the connected TX and RX devices	
State	RX	Idle: TX not connected Selected: The relevant RX is selected TX-xxxxxx: TX name that is paired successfully
	TX	Busy: Paired No video: No video signal from host Connect: Waiting to connect
All RX Blink	RX connection status (To check the connection status of all RX via PWR blinking.)	
All TX Blink	TX connection status (To check the connection status of all TX via PWR blinking.)	

RX Settings

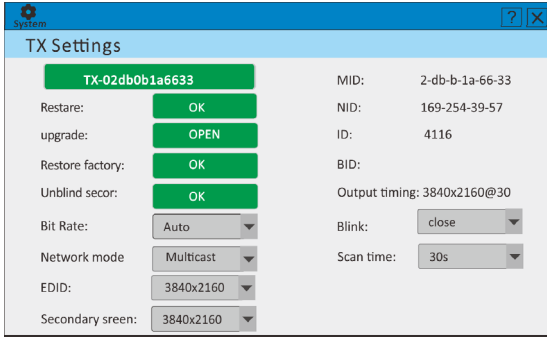
Click **【Configuration】** of relevant RX to do RX settings.



Function	Description
RX-826d9539fdbf91	Click “RX-826d9539fdbf91” to modify the RX name and press “ESC” to confirm.
Restart	Restart the RX
upgrade	Upgrade the RX
Restore factory	Restore factory defaults
Unblind secur	Bind the secondary screen
Blink	To set the PWR blinking status and time – Close, 1 minute, 10 minutes, 30 minutes, 60 minutes, Constant flashing
Output timing	AUTO PASS, 1080P, 2160P, 640x480P, 800x600P, 1024x768P, 1280x1024P, 1440x900,1920x1200
Secondary screen	Secondary screen settings (secondary screen must be bound first)
Password mode	Enable / Disable password mode
Select Workgroup	To associate the RX to a related workgroup, you must first create a workgroup.
Network mode	Multicast Unicast
System mode	Matrix: P2P Node

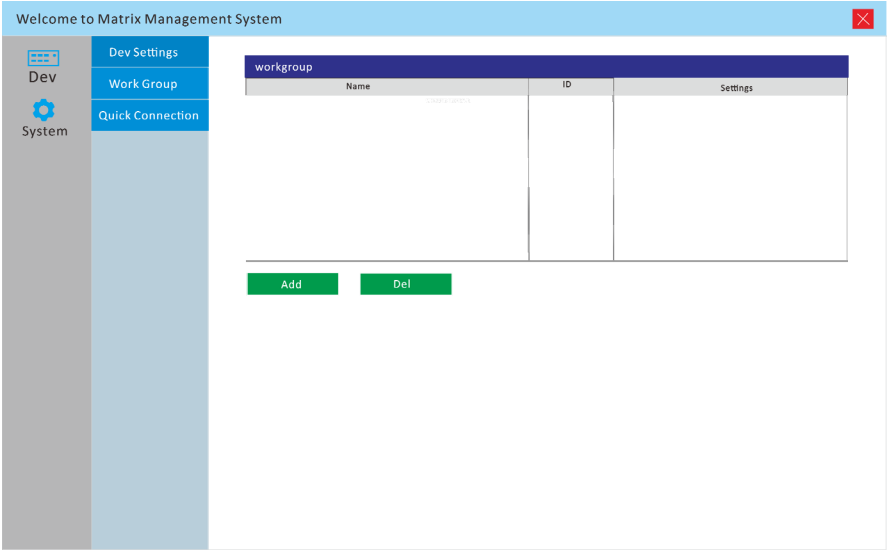
TX Settings

Click **【Configuration】** of relevant TX to do TX settings.



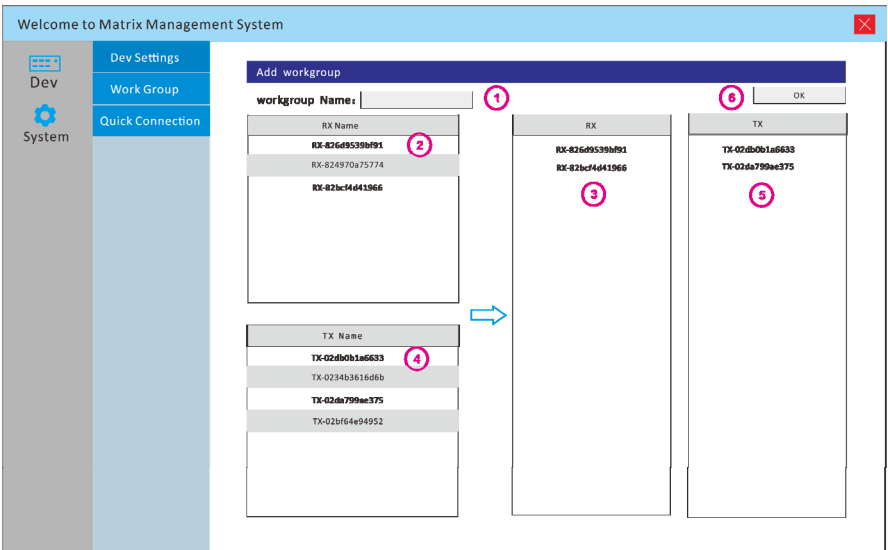
Function	Description
TX-0234b3616d6b	Click “TX-0234b3616d6b” to modify the TX name and press “ESC” to confirm.
Restart	Restart the TX
Upgrade	Upgrade the RX
Restore factory	Restore factory defaults
Unblind secur	Bind the secondary screen
Bit Rate	Auto, 10M, 50M, 100M, 150M, 200M
Network mode	Multicast Unicast
EDID	1024 x 768, 1280 x 1024, 1366 x 768,1600 x 900, 1920x1080, 1920 x 1200, 2560 x 1440, 3840 x 2160, 1152 x 864, 2048 x 2048
Secondary screen	Secondary screen settings (secondary screen must be bound first)
MID	MAC ID
NID	Network ID
ID	Device ID
BID	Binding ID
Blink	To set the PWR blinking status and time – Close, 1 minute, 10 minutes, 30 minutes, 60 minutes, Constant flashing
Scan time	10s, 20s, 30s, 60s, 90s,120s, 150s, 180s, 210s, 255s

【DEV】 - 【workgroup】



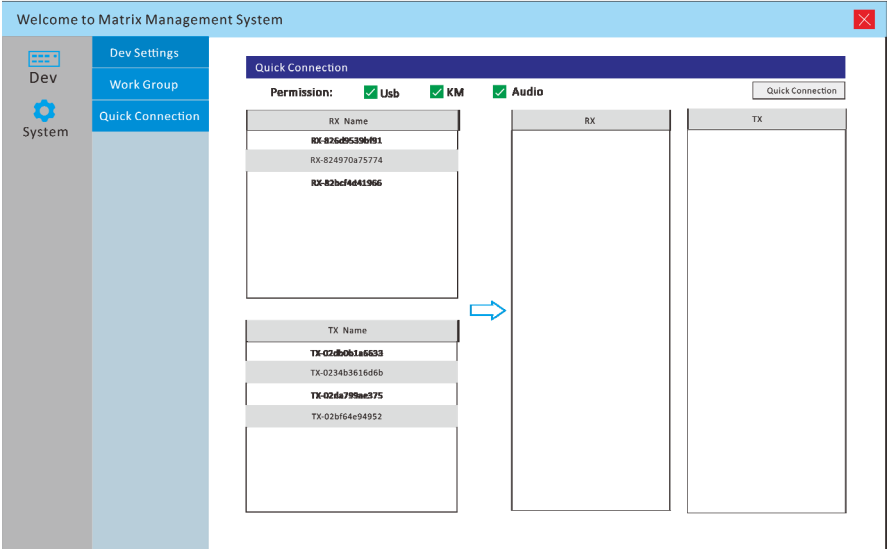
【Add Workgroup】

Click **【Add】** to add a workgroup, and then click the RX and TX name to add them to the list.

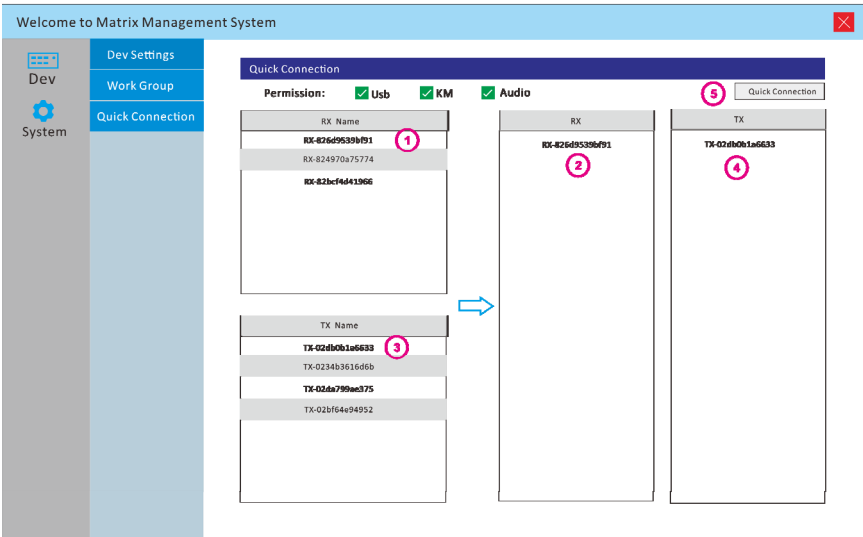


【DEV】 - 【Quick Connection】

Click 【DEV】 - 【Quick Connection】 , the following screen appears:



Select the TX and RX you want to pair, click the RX and TX name to add them to the list, and press **【Quick Connection】** after adding.



After the settings are completed, TX and RX are paired successfully as shown below.

Welcome to Matrix Management System

Dev Settings
Work Group
Quick Connection

Dev
System

RX Num: 3

SN	Name	Version	Configuration	State	RID
1	RX-82649539b9f91	V1EA917.170C04-R	Configuration	TX-02db0b1a6633	82-64-95-39-bf-91
2	RX-824970a75774	V1EA917.170C04-R	Configuration	Idle	82-49-70-a7-57-74
3	RX-82bcf4d461966	V1EA917.170C04-R	Configuration	Idle	82-bc-14-d4-19-66
4					
5					
6					
7					
8					

TX Num: 4

SN	Name	Version	Configuration	State	RID
1	TX-02db0b1a6633	V1EA917.170C04-T	Configuration	Busy	2-db-b-1a-66-33
2	TX-0234b3818d6b	V1EA917.170C04-T	Configuration	connect	2-34-b3-81-8d-6b
3	TX-0266799ae375	V1EA917.170C04-T	Configuration	connect	2-66-79-9a-e3-75
4	TX-020f64e94952	V1EA917.170C04-T	Configuration	connect	2-0f-64-e9-49-52
5					
6					
7					
8					

All RX Blink: All TX Blink:

【System】 - 【User Settings】

Welcome to Matrix Management System

User Settings
System Settings
API

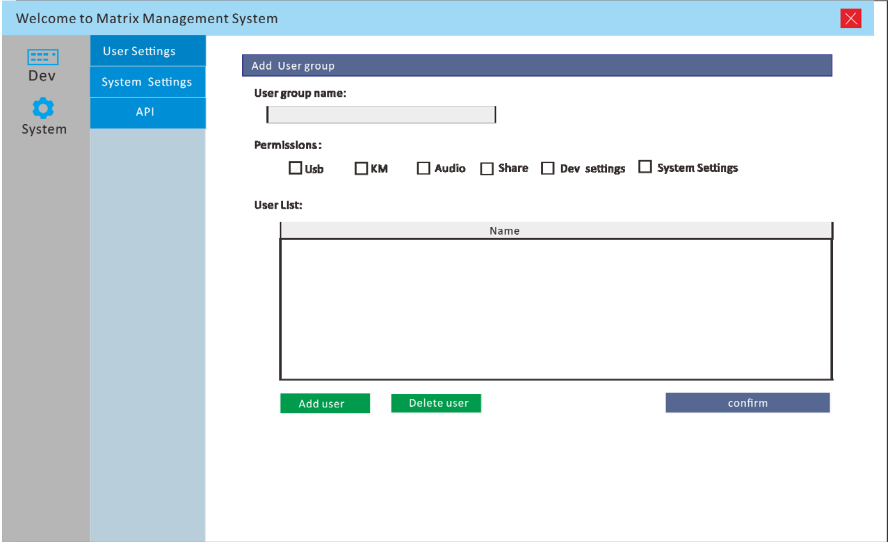
Dev
System

User group list

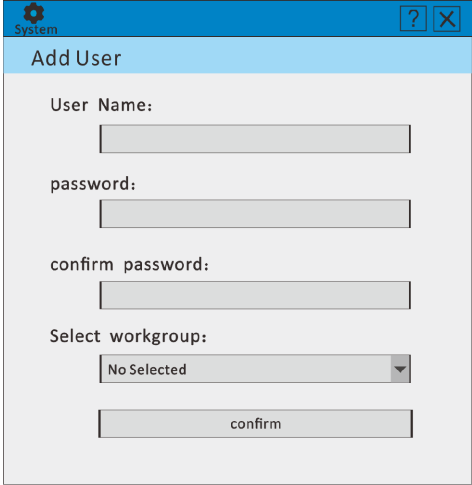
User group name	ID	Settings
ADMIN	0	Settings

Add Del

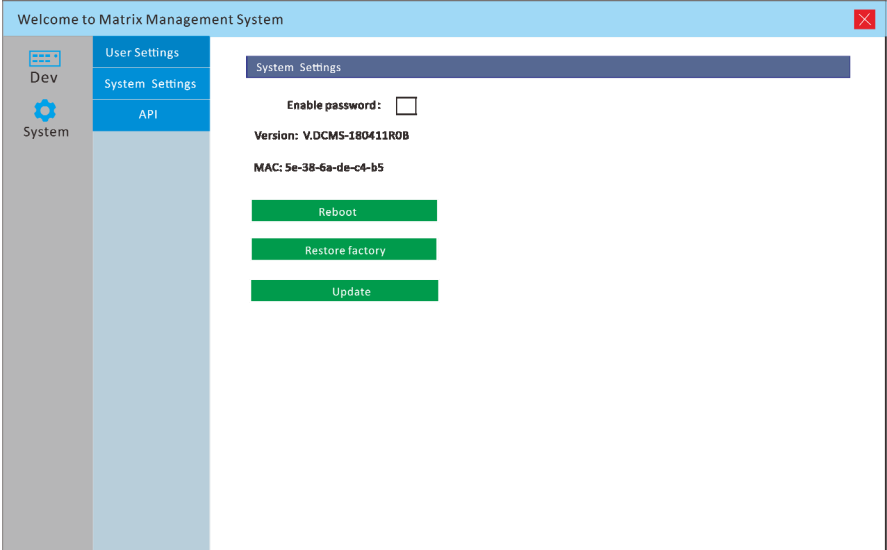
【add】



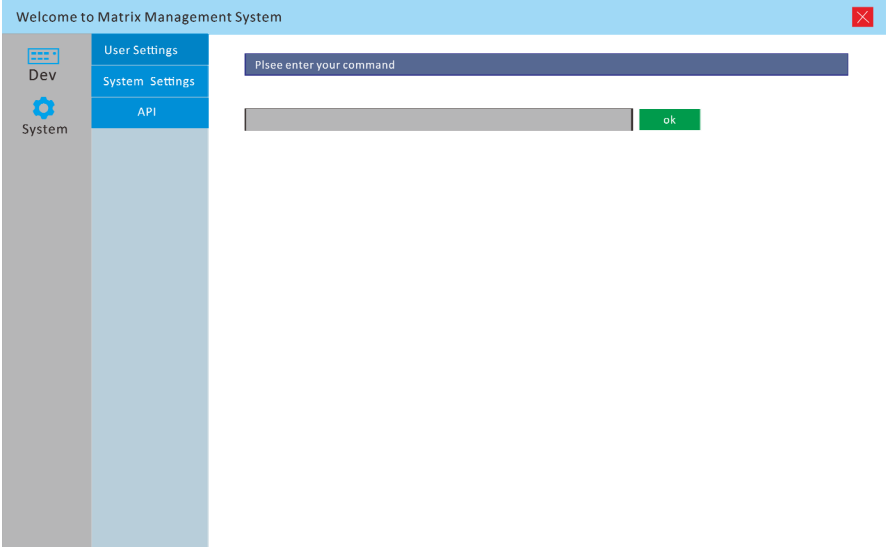
【add User】



【System】 - 【system Settings】



【System】 - 【API】



【Enable Password】

If you select [Enable Password], a user name and password window will appear after reboot.



User Name:	admin
Password:	admin

4. Specifications

Function		IPK600
Connectors	Monitor	1x HDMI Type A 1xHDB-15 Female(blue)
	Keyboard/Mouse	2x USB Type A (White)
	Power	2x 3-Prong AC jack
	RS232	1x DB9
	LAN	2x RJ45
Video Resolution		1920×1080@60Hz
Power Input		100V-240Vac, 50-60Hz, <1.5A
Power Consumption		14W
Environment	Operating Temp.	0-50°C
	Storage Temp.	-20-60°C
	Humidity	0-80%RH, Non-condensing
Physical Properties	Housing	Metal
	Weight	2.3kg
	Dimensions (L x W x H)	440 mm x 166 mm x 44mm