

# User's Manual

## USB 2.0 Extender over CAT.x Cable



**USBX-M200A**  
( USBX-200LA+ USBX-204RA )

### Package Contents

- USB Extender Local Unit x 1
- USB Extender Remote Unit x 1
- Power Cable (USB to DC 5V) (For Remote Unit)  
Power Adapter (option) x 1
- mini-USB to USB-A Cable (for Local Unit) x 1
- User's Manual x 1
- Foot Pad Set x 2
- Cat.5e Cable 1.5M x 1

### Features

- Extend 4 USB 2.0 Signal Up to 40M by CAT.5e Cable
- Support USB 2.0 Host Controllers ( USB 1.0 / 1.1 Compatible )
- Plug-n-Play System without Any Driver or Software Installation
- Suitable for Most Popular USB Devices  
( USB Keyboards, Mouses, Touch Screens, and Other Devices )
- 4 USB Ports Available and Expandable by Applying Additional USB Hubs
- Unique Mechanical Design of Two Ports on Top for Easier Connection
- Local Unit Can Be Powered by The Host PC
- Compact Size Ensures Convenient Installation and Space Saving
- Fully Compatible with Windows, Mac and Linux Systems
- Receiver Supports Up to 500mA Power Per Device

### NOTE:

Attaching additional USB Hub(s) may impact the operation of USB devices over extended distances.

### Product Limitation

The source computer should **avoid entering the S-States** (Sleeping States), or it would cause USB extension function failure when the source computer wakes up.

- **DO NOT press "Sleep"** (on the operating system desktop / on the keyboard) when users operate the units, or it would cause the situation.
- For saving power, the computer might have been set auto sleep time in "**Put the computer to sleep**". Please select "None" to avoid the situation.

### Related Products

Model Number	Form Factor		Range
	Local Unit	Remote Unit	
USBX-M215	Box Type	Box Type	100M
USBX-MA215WW	US Wall Plate	US Wall Plate	
USBX-MG215WW	Germany Wall Plate	Germany Wall Plate	
USBX-ME215WW	U.K Wall Plate	U.K Wall Plate	

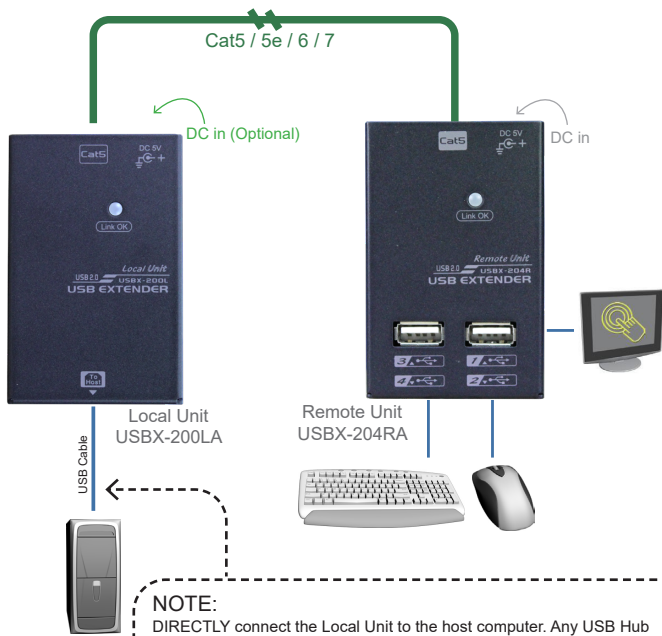
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Taipei, Taiwan

- The final specification is the actual product based.
- Features and functions may be added or changed after the manual was written. Please visit our website to download the latest version of manual for reference.

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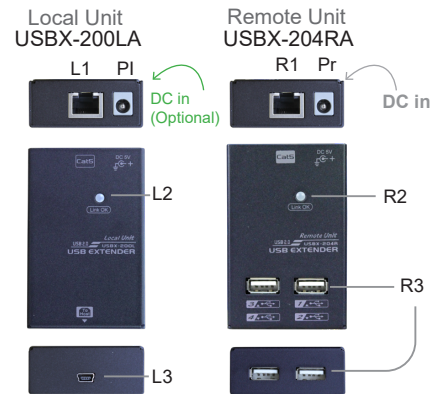
## 1 Connection Pattern



## 2 LED Indicator

Unit	LED	Status
Local	Power ON:	Green
Remote	Power ON:	Green / Link OK: Blue

## 3 Product Description



L1	R1	Description	Action
L1	R1	RJ-45 Link Port	Use a CAT.x Cable to Connect between the Units
L2	R2	LED Indicator	See "LED Indicator"
L3	R3	USB Connector	[ L3 ] Connect to the Host PC [ R3 ] Connect to the USB Devices
PI		Power Supply	(Optional) Apply power from power supplier to the unit
Pr		Power Supply	Apply power from power supplier to the unit

## 4 Specifications

Model	Local Unit	Remote Unit
	USBX-200LA	USBX-204RA
Interface	Mini-USB x 1	USB-A x 4
Extension Distance*	40M (CAT.5e) / 50M (CAT.6)	
LED Indicator	x 1	x 1
Power Supply	Power by PC ( With Optional DC Input )	DC 5V, 2A (typical)
Link Connection	RJ45 (CATx)	
Dimensions (H x W x D)	22 x 52 x 80 (mm)	
Weight (g)	150-175	

\*Above video resolution and extension distance are based on a single CAT5e/6  $\leq 24AWG$  solid cable without cascade. STP cabling is recommended for environments with high EMI or RFI. For the best performance results, using stranded cabling or other thinner cables, and coiling of excess cable lengths should be avoided.