WiMi5200AT/R
Setup-FCC

November, 2019

WiMi5200A Operation Modes

TX-AP mode: TX works as an AP (Typical Operation)

WiMi5200AT TX
(TX-AP mode)

Max. 1.5km (5775MHz)
@ LOS

WiMi5200AR RX
(TX-AP mode)

Wi-Fi Streaming
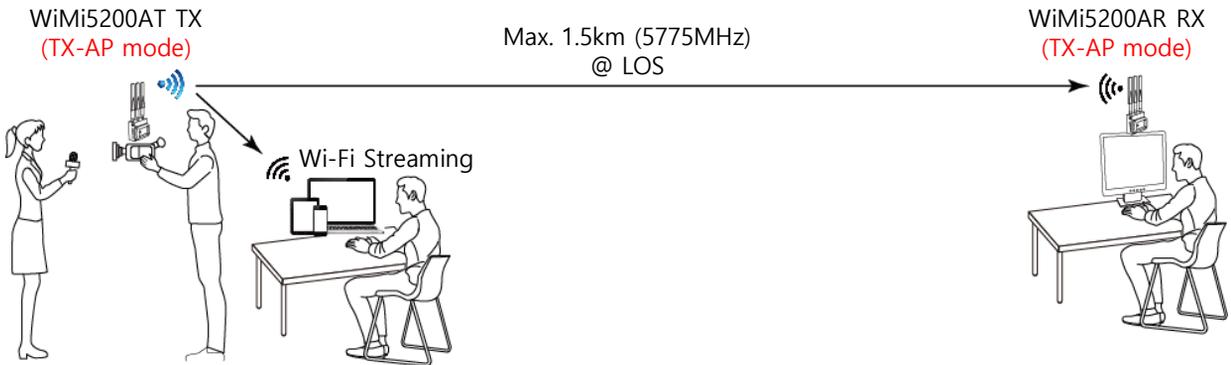
RX-AP mode: RX works as an AP

Note: Transmission distance between TX and RX can be reduced when Wi-Fi devices are connected to the RX and streamed from it.

WiMi5200AT TX
(RX-AP mode)

Max. 1.5km (5775MHz)
@ LOS

WiMi5200AR RX
(RX-AP mode)

Wi-Fi Streaming
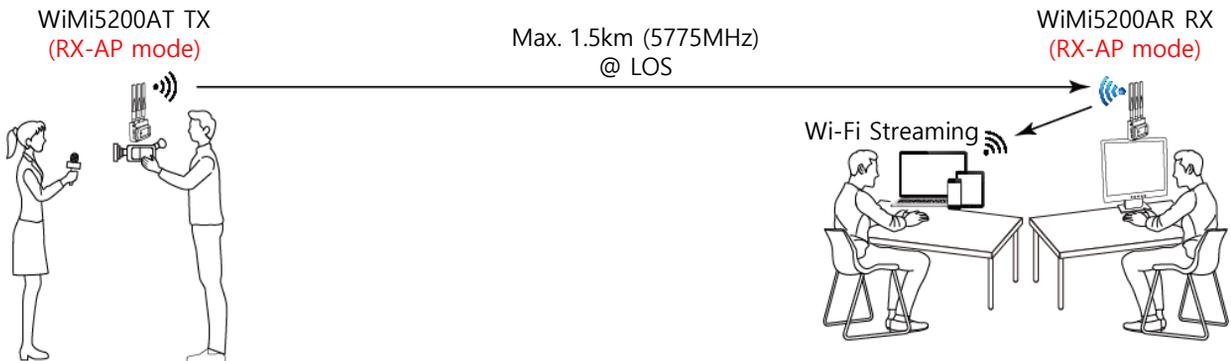
WiMi1000 Repeater Bridge mode: Both TX & RX work as a Station

WiMi5200AT TX
(Repeater Bridge mode)

WiMi1000
Repeater

WiMi5200AR RX
(Repeater Bridge mode)

Max. 1.5km (5775MHz)
@ LOS

Max. 1.5km (5775MHz)
@ LOS
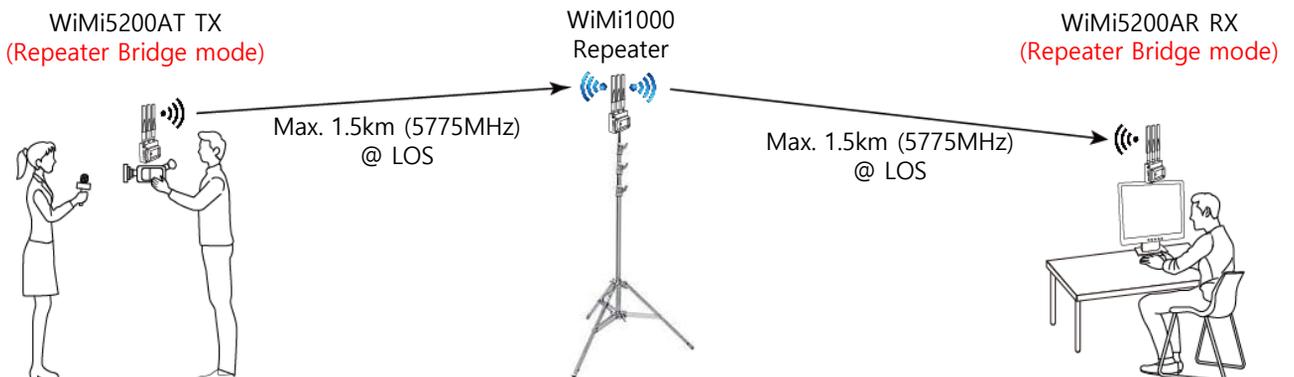
DIP Switch Configuration

WiMi5200AT(Transmitter, TX)

WiFi Ch. — 4 bits: Selection of a specific frequency in TX-AP or RX-AP Mode
Selection of SSID in WiMi1000 Repeater Bridge Mode

TX ID } 2 bits: Not Used
ENC. Rate } 2 bits: Selection of Encoding Rate
Mode } 2 bits: Selection of Operation Mode

Encoding Rate

ENC. Rate	ENC. Rate	ENC. Rate	ENC. Rate
12 Mbps	15 Mbps	20 Mbps	Controlled by Web

Operation Mode

Mode	Mode	Mode	Mode
TX-AP Mode	RX-AP Mode	WiMi1000 Repeater Bridge Mode	WiMi1000 Repeater Bridge Mode
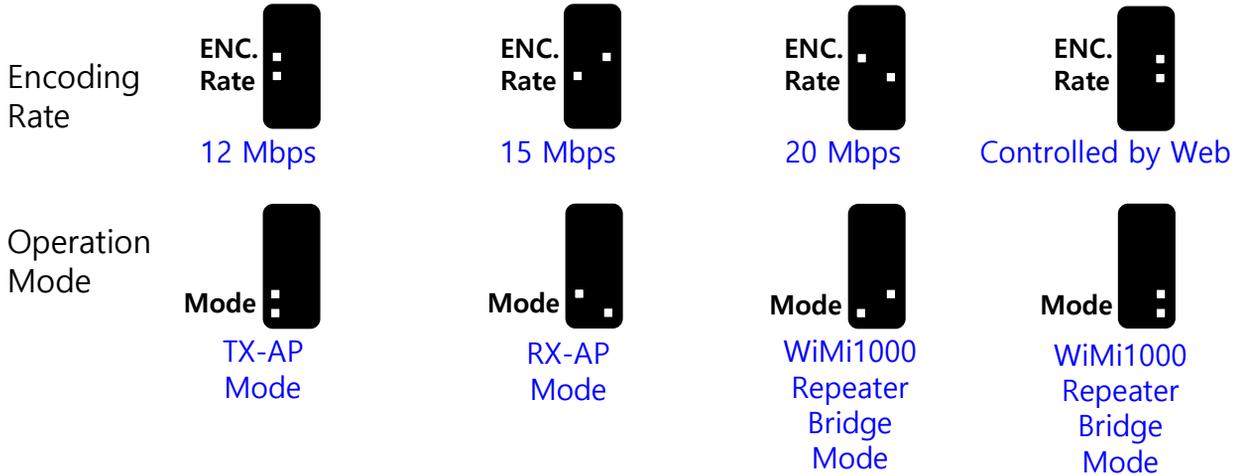
WiMi5200AR(Receiver, RX)

WiFi Ch. — 4 bits: Selection of a specific frequency in TX-AP or RX-AP Mode
Selection of SSID in WiMi1000 Repeater Bridge Mode

TX ID } 2 bits: Not Used
RX ID } 2 bits: Selection of Receiver's ID (Receiver-# in 1:3 multicast mode)
Mode } 2 bits: Selection of Operation Mode

SYS-ID In 1:3 Config.

RX ID	RX ID	RX ID	RX ID
Slave-1	Slave-2	Slave-3	Slave-4

Operation Mode

Mode	Mode	Mode	Mode
TX-AP Mode	RX-AP Mode	WiMi1000 Repeater Bridge Mode	WiMi1000 Repeater Bridge Mode
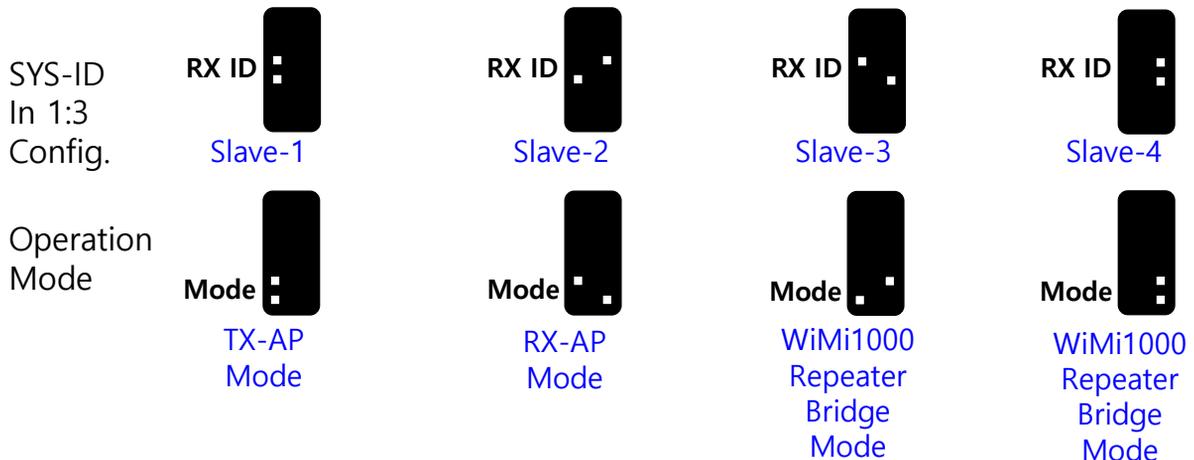
WiMi5200AT/R Wi-Fi Ch. Selection (TX-AP, RX-AP Mode)

WiFi Ch.
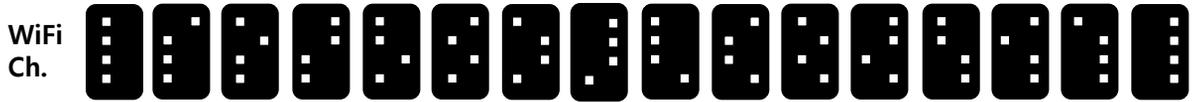
SSID: WiMi5000_00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15

SSID Number vs Ch./Frequency Table (TX-AP, RX-AP Mode)

SSID	Ch. No. (Freq.)	SSID	Ch. No. (Freq.)	SSID	Ch. No. (Freq.)	SSID	Ch. No. (Freq.)
WiMi5000_00	42 (5210)	WiMi5000_04	58 (5290)	WiMi5000_08	122 (5610)	WiMi5000_12	155 (5775)
WiMi5000_01	42 (5210)	WiMi5000_05	106 (5530)	WiMi5000_09	138 (5690)	WiMi5000_13	155 (5775)
WiMi5000_02	42 (5210)	WiMi5000_06	106 (5530)	WiMi5000_10	138 (5690)	WiMi5000_14	155 (5775)
WiMi5000_03	58 (5290)	WiMi5000_07	122 (5610)	WiMi5000_11	138 (5690)	WiMi5000_15	165 (5825)

* SSID for **RX-AP** mode will be **WiMi5000R_XX**.
* The above DIP switch setting of 4-bits on both TX and RX must be same each other.

WiMi5200AT/R SSID Selection (WiMi1000 Repeater Bridge Mode)

WiFi Ch.

SSID: Bridge_00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15

* The above DIP switch setting of 4-bits must be same with the WiMi1000's SSID setting.
* The real operating Wi-Fi frequency will be determined by the WiMi1000's SSID setting.

SSID Number vs Ch./Frequency Table (WiMi1000 Repeater Bridge Mode)

SSID	Ch. No. (Freq.)	SSID	Ch. No. (Freq.)	SSID	Ch. No. (Freq.)	SSID	Ch. No. (Freq.)
Bridge_00	42 (5210)	Bridge_04	58 (5290)	Bridge_08	122 (5610)	Bridge_12	155 (5775)
Bridge_01	42 (5210)	Bridge_05	106 (5530)	Bridge_09	138 (5690)	Bridge_13	155 (5775)
Bridge_02	42 (5210)	Bridge_06	106 (5530)	Bridge_10	138 (5690)	Bridge_14	155 (5775)
Bridge_03	58 (5290)	Bridge_07	122 (5610)	Bridge_11	138 (5690)	Bridge_15	165 (5825)

FCC Ch. (Freq.)

42 (5210MHz)   58 (5290MHz)   106 (5530Hz)   122 (5610MHz)   138 (5690MHz)   155 (5775MHz)   165 (5825MHz)