

Light Stick Repeater

HYBE REPEATER V1

Product	: Light Stick Repeater
Part Number	: HYBE REPEATER V1

Partron

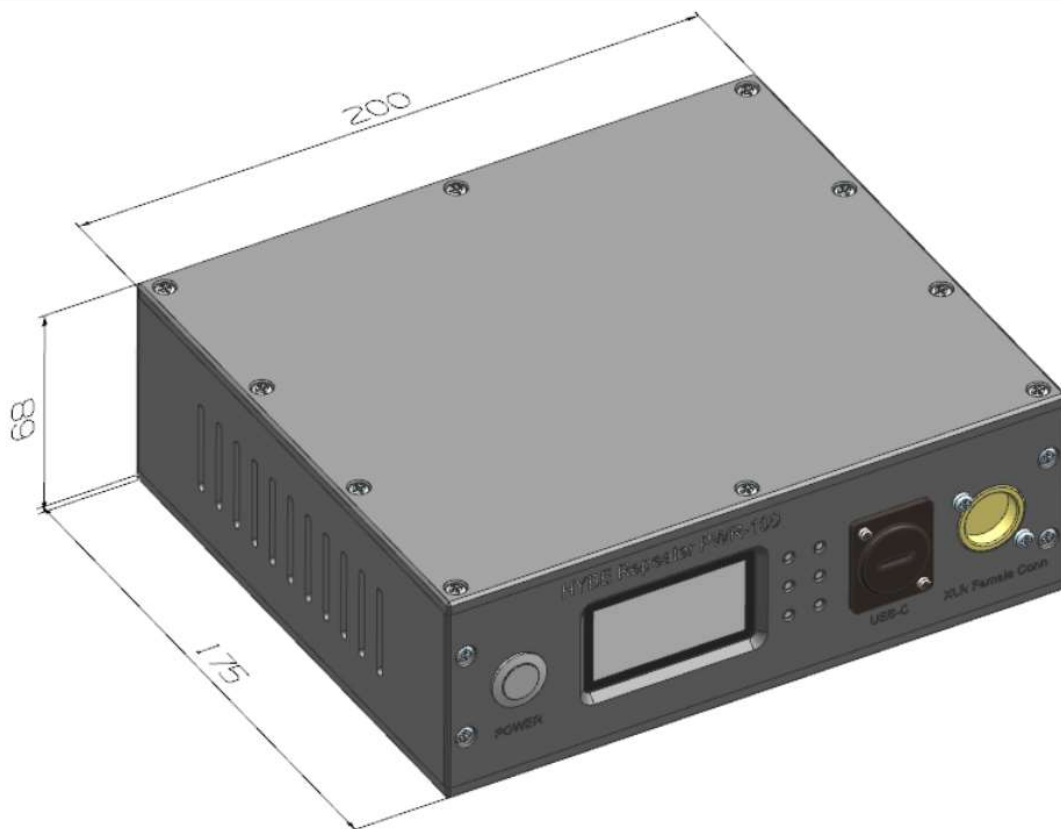
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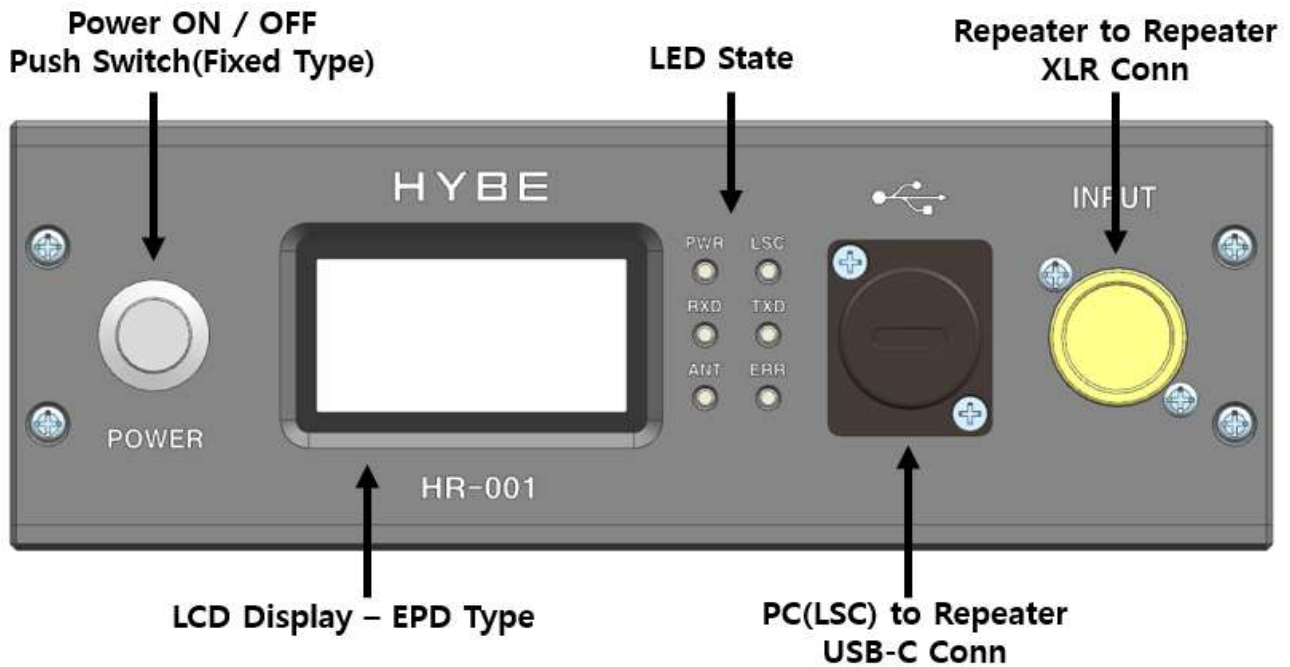
2. Specifition

RF Frequency	2480MHz
RF Antenna Conn	SMA male type connector
Power	DC 12V $\pm$ 10%
LCD	2.13" TFT-EPD/ Black&White
LED Indicator	DC Power Operation
	Power on/off State
	LSC Stare
	Tx, Rx State
	Ant State
	Error State
Button	Power = System on/off
USB	USB-C Type / Connected with PC(LSC)
XLR	Connected with 1 to 4 Repeater
Size	200 x 175 x 68 mm

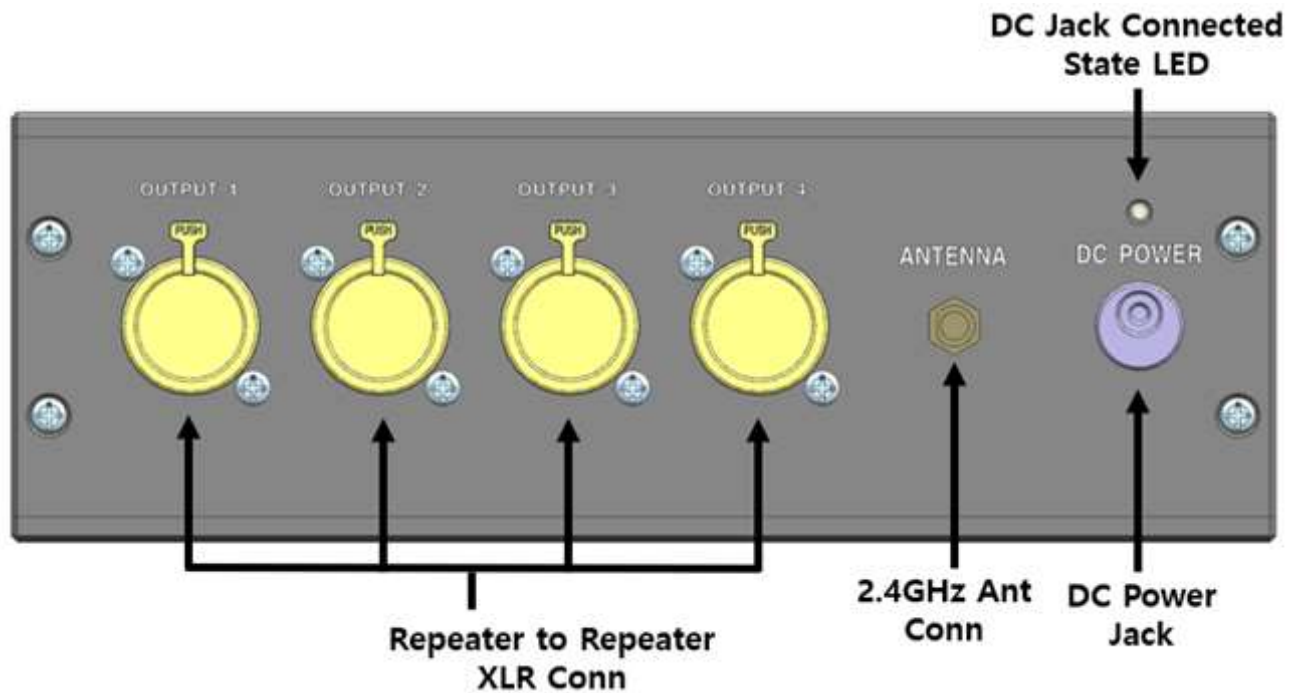


3. Product Description

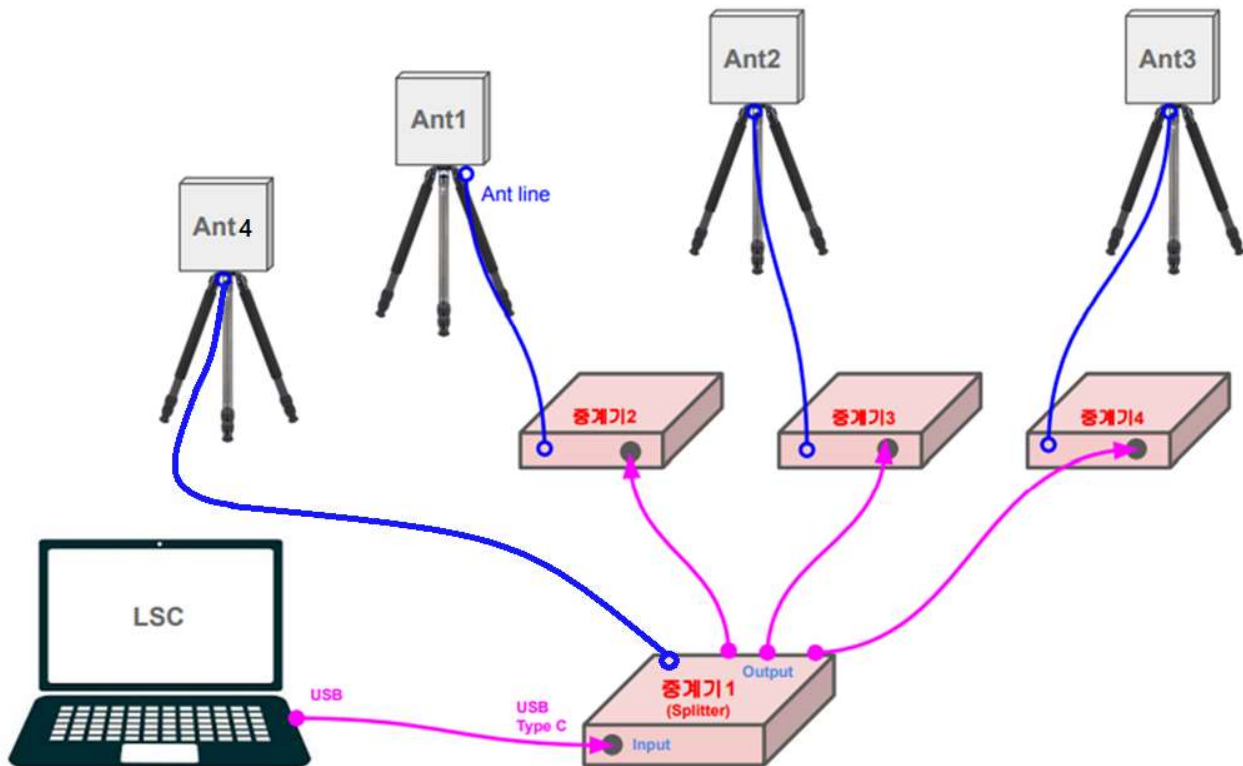
3.1 Front



3.2 Rear



3.3 Connection configuration



4. Electrical Characteristics

4.1 Storage Condition

Parameter	Min.	Typ.	Max.	Unit
Storage Temperature Range		25	-	°C
Storage Humidity			60	%

4.2 Recommended Operating Conditions

T_a = 20 °C, unless otherwise noted.

Parameter	Min.	Typ.	Max.	Unit
Ambient Operating Temperature	-10		70	°C
Supply Voltage :	8	12	16	V

4.3 Power Consumption

T_A = +25 °C, VCC = DC 12V

Parameter	Conditions	Min.	Typ.	Max.	Unit
Power ON	Power Switch ON		70		mA
PLAY	LSC PLAY		110		mA
PLAY & Sinario Effect on	Single Mode		80		mA
PLAY & Effect on	Single Mode		95		mA
PLAY & Effect on	Dual Mode		130		mA

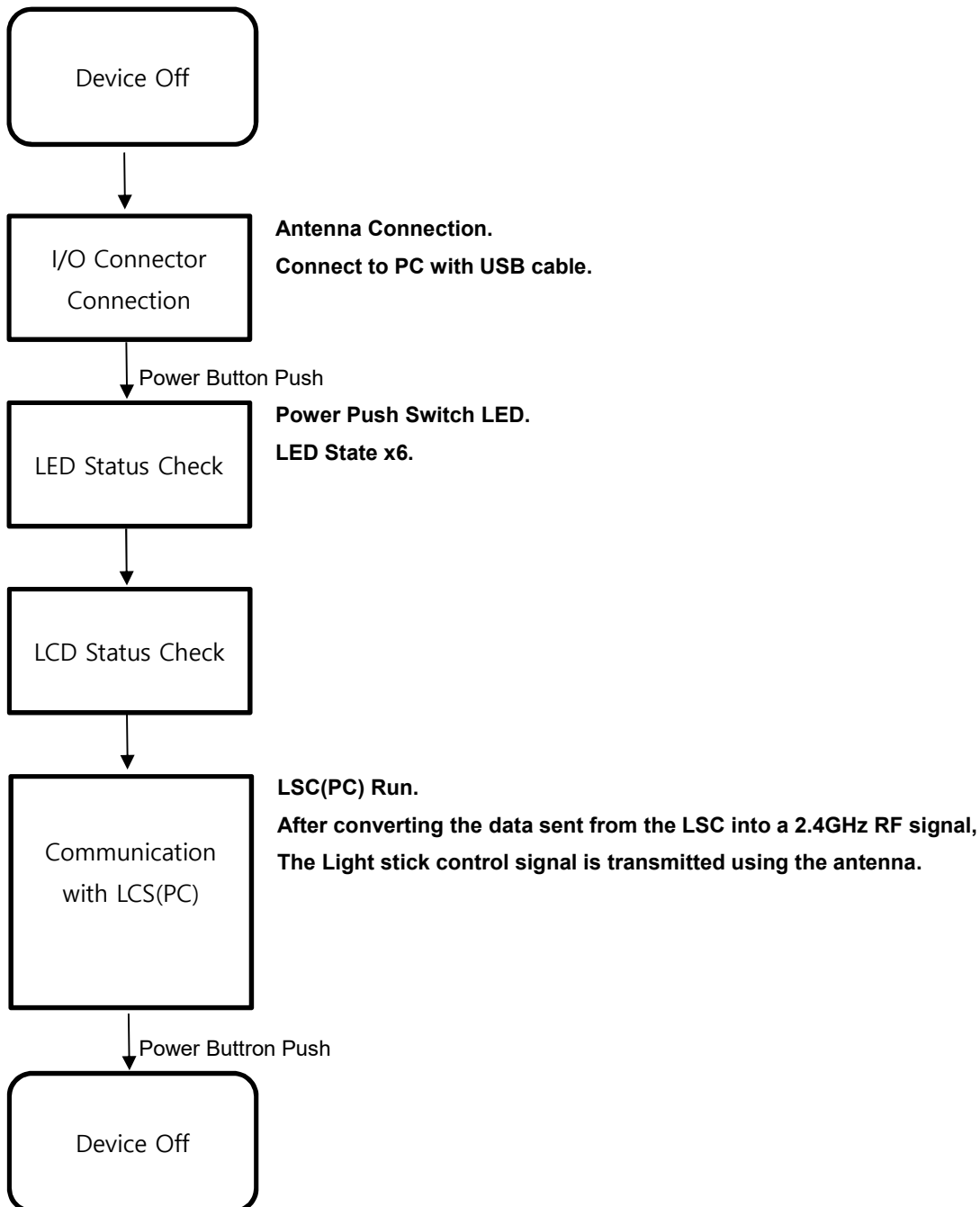
4.4 Transmitter

T_A = +25 °C, VCC = DC 12V

Item	Conditions		Min	Typ	Max	Unit
Operation Frequency Range			-	2480	-	MHz
Channel Spacing				1		MHz
Output power	setpower	252			37	dBm
Initial Carrier Frequency Tolerance	f ₀ -f _{TX}		-25		+25	KHz

5. Test Method

5.1 Storage Condition



6. Warning

The antennas used with this device must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or transmit simultaneously with any other antenna or transmitter. This device has been designed to operate with the following antenna. Use with other antenna types or with these antenna types at higher gains is strictly prohibited.

Antenna information

[PARTRON CO.,LTD. / Patch Antenna / APTBTH1CPOP / 8.82 [dBi] / SMA TYPE]

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference (2) This device must accept any interference received, including interference that may cause undesired operation. Warning: Changes or modifications not expressly approved by the party responsible is prohibited.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/ TV technician for help.

This equipment complies with FCC RF Exposure requirements and should be installed and operated with a minimum distance of 20cm between the radiator and any part of the human body.

RSS-210/RSS-Gen Notices: Operation is subject to the following two conditions:

(1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of this device. L'opè ration est soumise aux deux conditions suivantes:

(1) cet appareil ne peut pas provoquer d'interférences et (2) cet appareil doit accepter toute interférence, y compris les interférences qui peuvent causer un mauvais fonctionnement de l'appareil.

Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.

Sous la réglementation d'Industrie Canada, ce transmetteur radio ne peut fonctionner en utilisant une antenne d'un type et un maximum (ou moins) gain approuvés pour l'émetteur ISM14585-L35 Specification par Industrie Canada. Pour réduire le risque d'interférence aux autres utilisateurs, le type d'antenne et son gain doivent être choisis de manière que la puissance isotrope rayonnée équivalente (PIRE) ne dépasse pas ce qui est nécessaire pour une communication réussie.

The radio transmitter has been approved by Industry Canada to operate with the antenna types listed above with the maximum permissible gain and required antenna impedance for each antenna type indicated. Antenna types not included in this list having a gain greater than the maximum gain indicated for that type, are strictly prohibited for use with this device.

Cet émetteur de radio a été approuvé par Industrie Canada pour fonctionner avec les types d'antennes énumérés ci-dessus avec le gain maximal admissible et impédance d'antenne requise pour chaque type d'antenne indiqué. Types d'antennes ne figurant pas dans cette liste, ayant un gain supérieur au gain maximum indiqué pour ce type, sont strictement interdites pour l'utilisation avec cet appareil.

取得審驗證明之低功率射頻器材，非經核准，公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。

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前述合法通信，指依電信管理法規定作業之無線電通信。

低功率射頻器材須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。