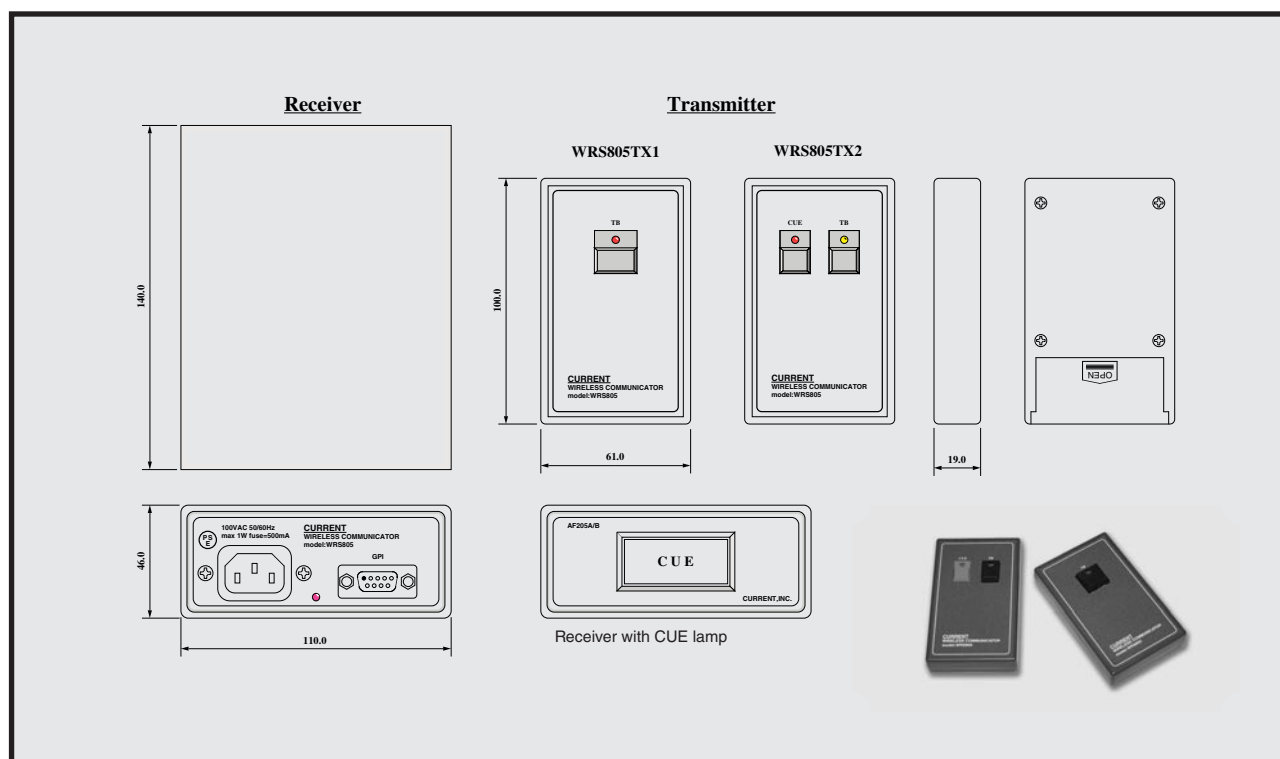


# CURRENT PRODUCTS model:WRS805(rev.6)

## WIRELESS COMMUNICATOR



### Compact controller

### Fast response time

### Radio system with no directionality concerns

### Versatile relay contact output

### One- or two-button transmitter

### Easy installation

**The WRS805 is a system for wireless talkback and CUE switching in recording, post-production, and broadcast studios. The WRS805 is a wireless system for talkback and CUE switching in recording, post-production, broadcast studios, etc. The use of a wireless system eliminates the need to be aware of obstacles like with infrared remote controls.**

### "Radio system"

The WRS805 uses the 2.4GHz band Xbee wireless system, which provides fast response time and eliminates the need to worry about directivity. In addition, the transmitted signal is digitally modulated so that it rarely malfunctions, but errors may occur depending on the influence of the surrounding environment. Some cellular phones and other devices may be affected. In such cases, please turn off the power before use.

### "Receiver"

The receiver outputs make-contact by relay, allowing easy interfacing with various devices. It can also be used with an external tally or contact on models with built-in CUE lamp.

### "Remote distance"

Remote range: Approx. 10 m, but may vary depending on the receiver's installation environment. Please install the receiver in a location with good visibility in order to check the reception status by LED on the front panel of the receiver.

### "Transmitter"

Multiple transmitters can be used, although simultaneous transmission is not possible. Switch commands are not always transmitted, but ON when pressed and OFF

when released. If the switch is locked in the ON position, pressing and releasing it again will initialize it. The unit can be used for approximately one year as it goes into sleep mode when not in operation.

### "Others"

If crosstalk is likely to be a problem in adjacent studios, etc., the transmitter/receiver ID can be changed, so please contact us. The WRS805RXC receiver with built-in CUE lamp is very useful for emergency use or when wiring is not possible. a Breakout box to convert Dsub to TS phone is available. Note that this document applies to Serial 4010 and later products.

#### GPI:Dsub9-M #4-40

01 +V	06 CUE LP+
02 CUE LP-	07 0V
03 TB COM	08 TB ON
04 CUE COM	09 CUE ON
05 NC	

CUE LP+/- only WRS805RXC

#### EXT CUE LP RJ11-6P

01 EXT TB_	02 EXT CUE_
03 CUE LP+	04 CUE LP-
05 GND	06 GND

CUE LP+/- only WRS805RXC

## SPECIFICATIONS

### [TRANSMITTER]

▲DIMENSIONS: 61Wx100Hx19D 100g ▲CONTROL: 1 or 2 SWITCHES

▲FREQ.: 2405~2480MHz, 5MHz step 16ch, IEEE 802.15.4, 1mW

▲POWER: UM4x2, about 1 year ▲MAX DISTANCE: APPROX.10m

### [RECEIVER]

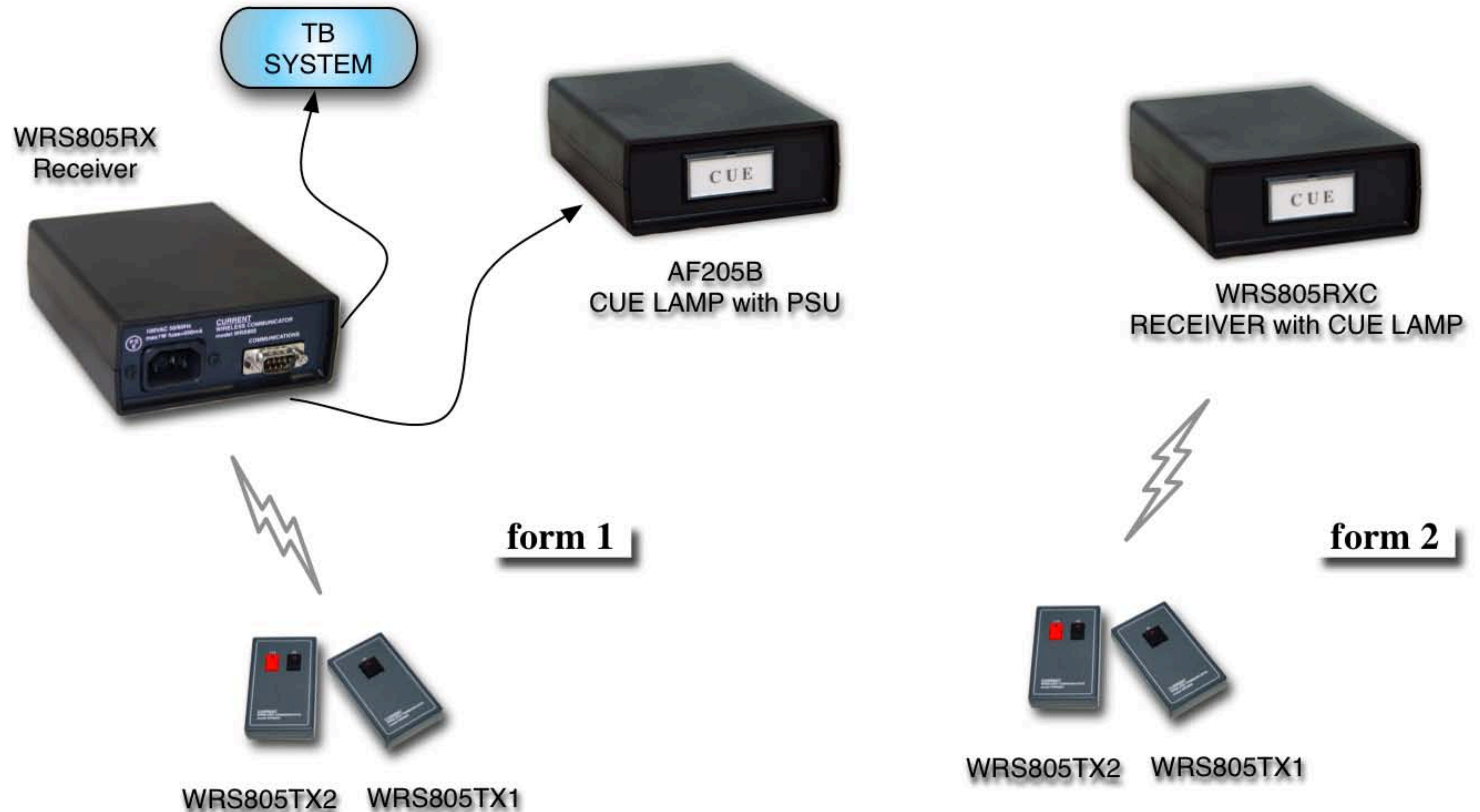
▲DIMENSIONS: 110Wx46Hx140D 340g ▲POWER: 100VAC 50/60Hz, DC +5~12VDC max 200mA ▲OUTPUTS: MOS RELAY CONTACT MAX 24VDC 100mA ▲CONNECTOR: Dsub9-M (#4-40),

Transmitter (1 button)	WRS805TX1	¥24,000
Transmitter (2 button)	WRX805TX2	¥32,000
Receiver	WRS805RX	¥72,000
Receiver with CUE	WRX805RXC	¥96,000

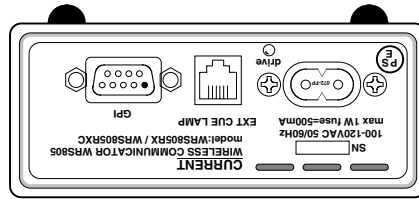
accessory : AC cable, AAA battery x2

The specifications are subject to change without notice.  
2-26-11 AKATSUTSUMI, SETAGAYA-KU, TOKYO, 156-0044 JAPAN

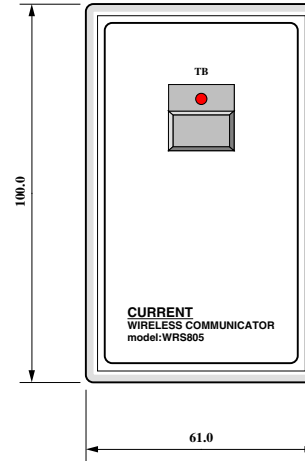
# WRS805 System Diagram



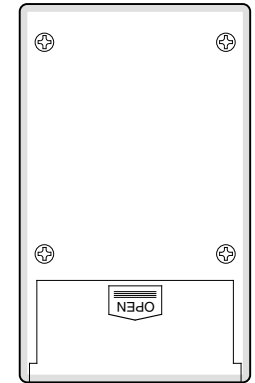
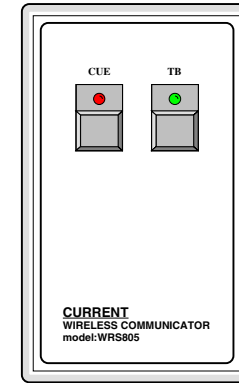
# Receiver



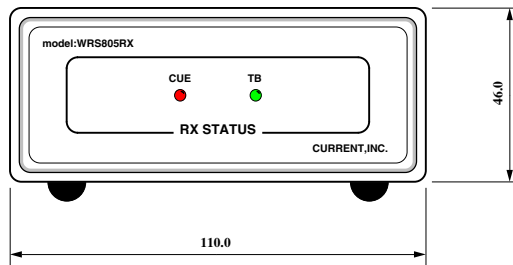
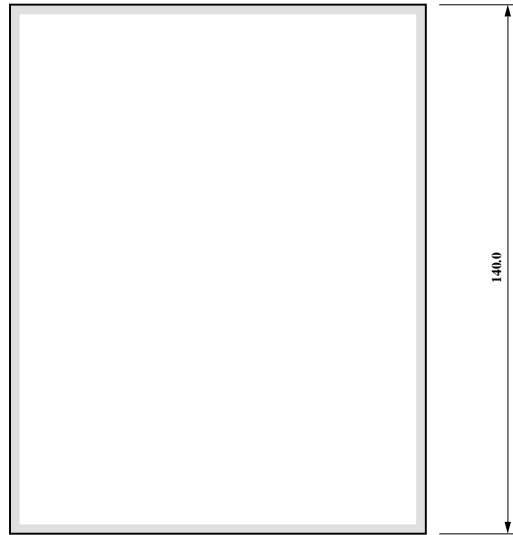
## WRS805TX1



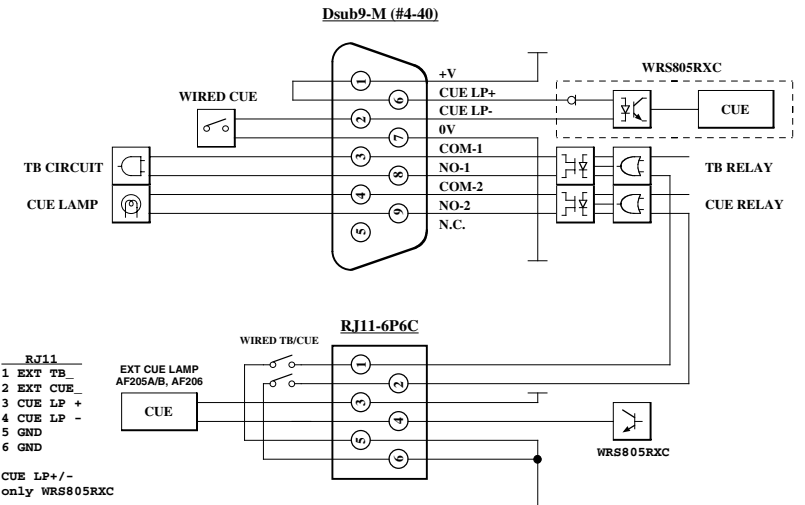
## WRS805TX2



Battery UM-4 (AAA) x2



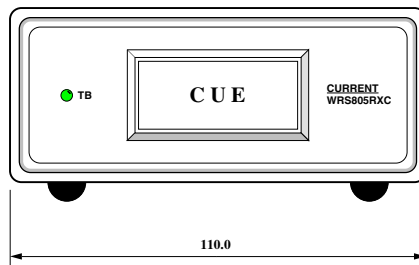
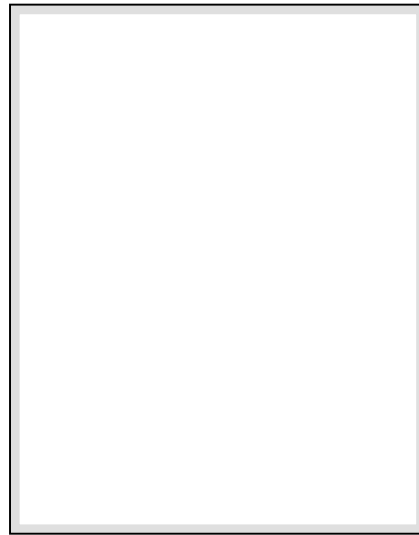
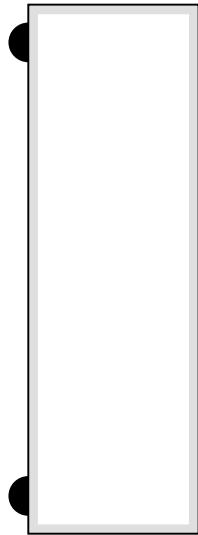
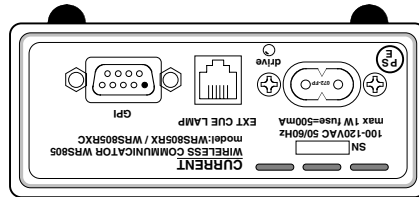
GPI Dsub9-M (#4-40)  
 1 +V supply 6 CUELP+  
 2 CUELP- 7 0V  
 3 COM-1 (TB) 8 NO-1 (TB)  
 4 COM-2 (CUE) 9 NO-1 (CUE)  
 5 N.C.  
 CUE LP+/- only WRS805RXC



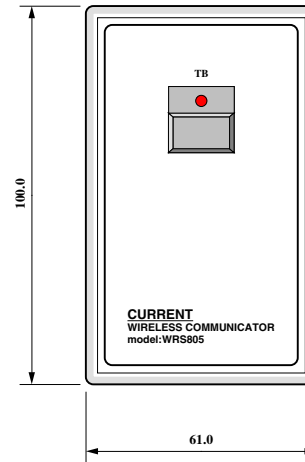
rev.6

(c)CURRENT,INC.	WIRELESS COMMUNICATOR WRS805	Jun.2023
H.ICHIHASHI	PANEL DIAGRAM	WRS805-D2023

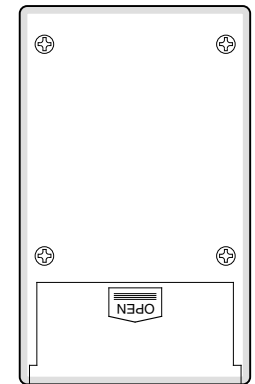
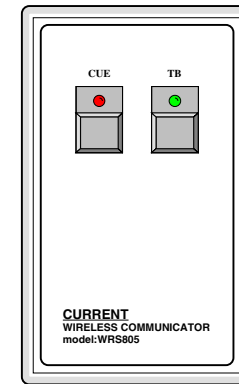
# Receiver



## WRS805TX1

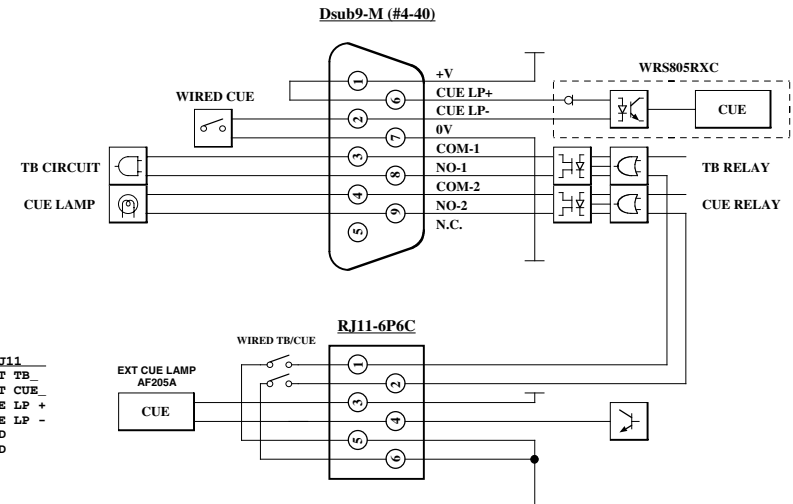


## WRS805TX2



Battery UM-4 (AAA) x2

- GPI Dsub9-M (#4-40)**
- 1 +V supply 6 CUELP+
  - 2 CUELP- 7 0V
  - 3 COM-1 (TB) 8 NO-1 (TB)
  - 4 COM-2 (CUE) 9 NO-1 (CUE)
  - 5 N.C.



- RJ11**
- 1 EXT TB
  - 2 EXT CUE
  - 3 CUE LP +
  - 4 CUE LP -
  - 5 GND
  - 6 GND

rev.6

(c)CURRENT,INC.	WIRELESS COMMUNICATOR WRS805	Jun.2023
H.ICHIHASHI	WRS805RXC PANEL DIAGRAM	WRS805RXC-D2023 rev6

# WRS805RX CONNECTOR PIN LIST

## >rev.3

### "Communication" D9-M(#4-40) Connector

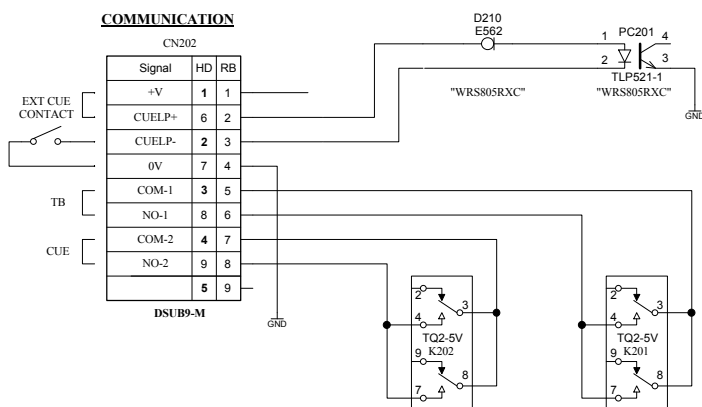
Ribbon	Hard	Signal name	Designation	Active
1	1	+V	+8V supply (unregulated) max 10mA	
2	6	CUELP+	EXT CUE tally input + (+5V to +24VDC "WRS805RXC")	
3	2	CUELP-	EXT CUE tally input - "WRS805RXC"	
4	7	0V	0V	
5	3	COM-1	MOSFET Relay contact common 1 (TB)	
6	8	NO-1	MOSFET Relay contact normal open 1 (TB)	
7	4	COM-2	MOSFET Relay contact common 2 (CUE)	
8	9	NO-2	MOSFET Relay contact normal open 2 (CUE)	
9	5			

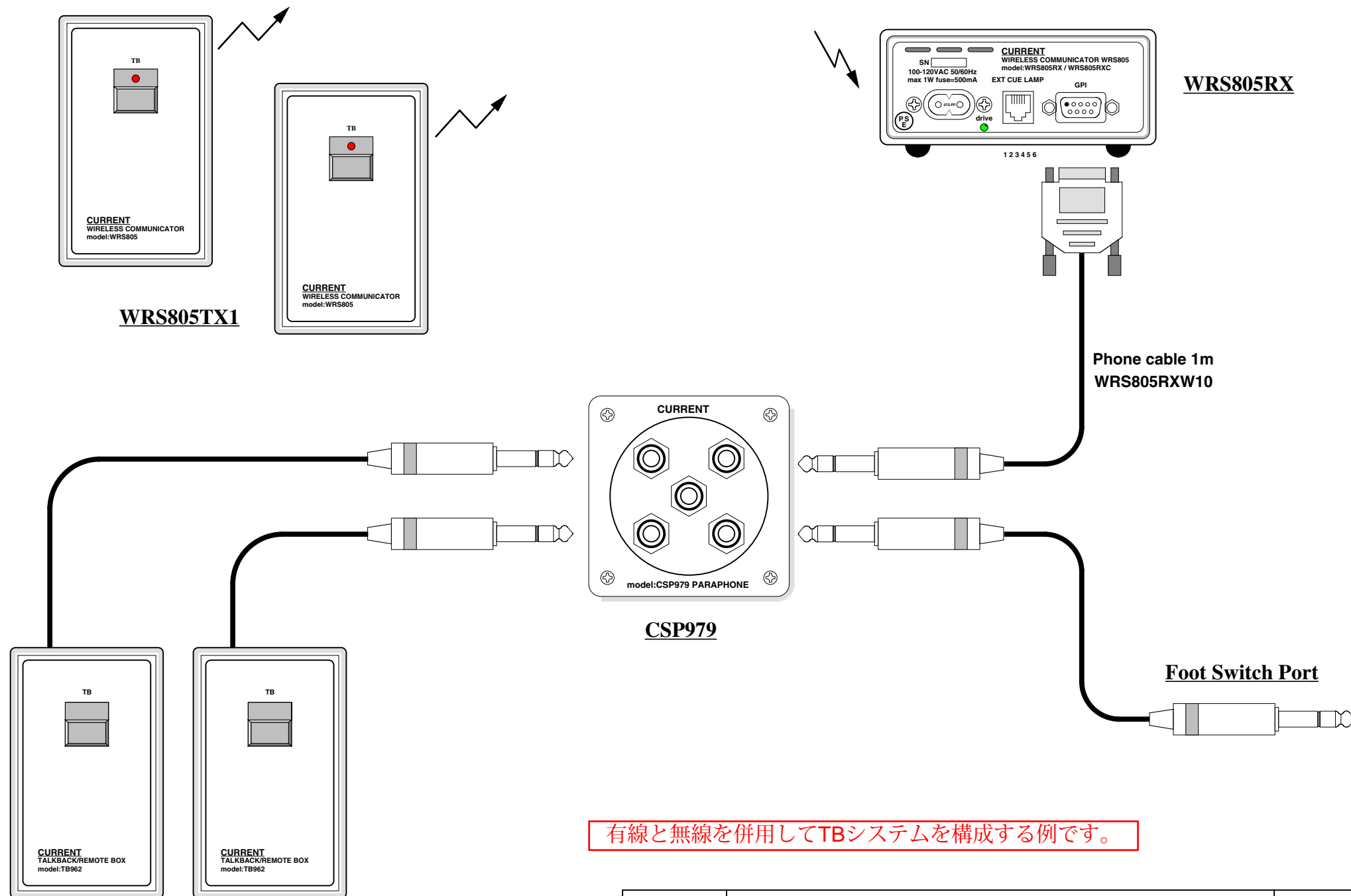
注意！ Dサブコネクタの接続はHARDピン番号で接続してください。取付は#4-40インチビスです。

CAUTION! D-Connector for wiring refer toHard pin number Description. Mounting screw for D-connector use #4-40 size.

CUEランプを内蔵したWRS805RXCでは外部タリーまたは接点によってCUEランプを点灯することが出来ます。CUE LP+/-端子にタリーを接続するか、接点によって+Vを供給することで動作します。

WRS805RXC with built-in CUE lamp can turn on CUE lamp by external tally or contact. Operate by connecting a tally to the CUE LP +/- terminal or supplying + V by the contact.

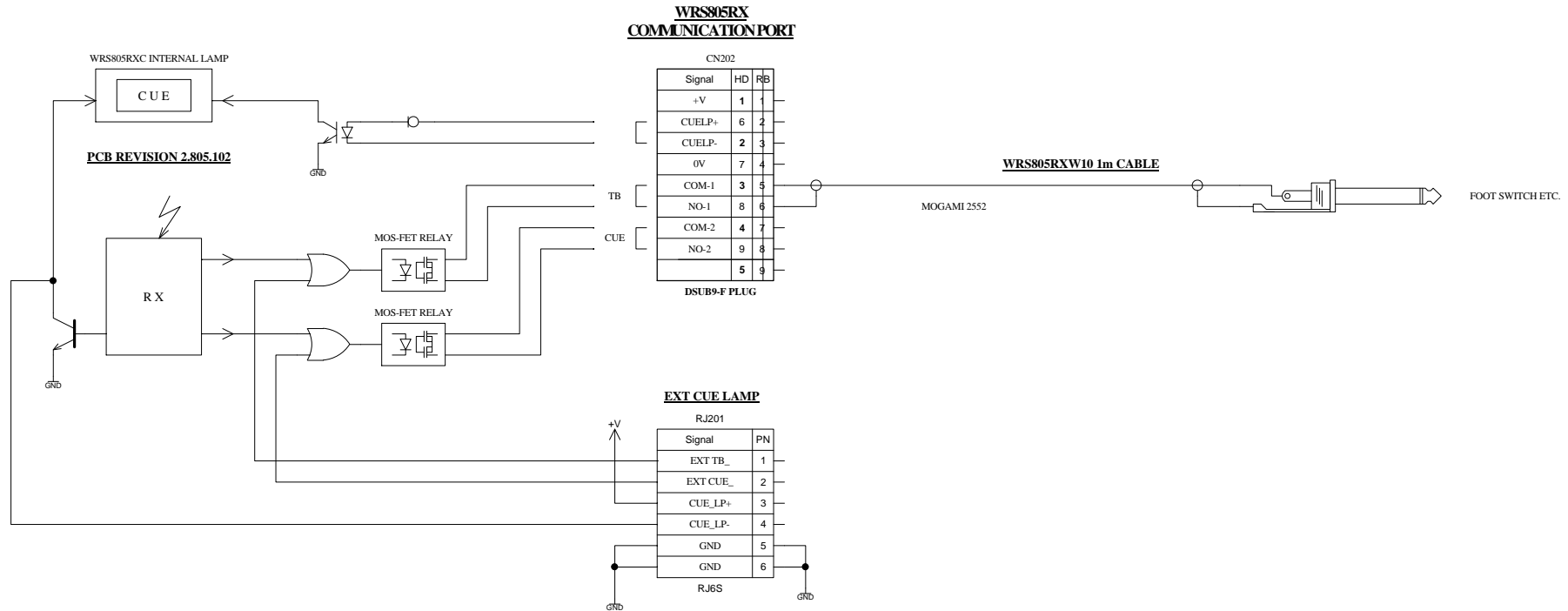




有線と無線を併用してTBシステムを構成する例です。

(c)CURRENT,INC.	WIRELESS COMMUNICATOR WRS805	Mar.2020
H.ICHIHASHI	WRS805 with TB962	WRS805 with TB962

# TB CABLE



WRS805 >=rev5

(c)CURRENT,INC.	WRS805	MAR.2020
H.1CHHASHI	APPLICATION	1 OF 1