

# KENWOOD

## SERVICE MANUAL

### USB PROGRAMMING INTERFACE CABLE

## KPG-46X

The "Product Exchange System" is applicable to this product.



#### 1. Outline

- This product can be connected to the LMR radios by USB or UART serial connection.  
By switching the conversion module of the cable central portion, It is possible to switch between USB and UART.
- At UART serial connection, this product connects at high speed by the stability operation in USB-serial conversion module.  
At USB connection, USB signal passes through by the switch.

#### 2. Feature

##### 2.1 Cable

This cable is connected the Radio (LMR) with the USB terminal of the computer.

##### 2.2 Connection

This product can be connected to the LMR radio by USB or UART.

Switching USB to UART/UART to USB is using a SW on Conversion module.

##### 2.3 USB

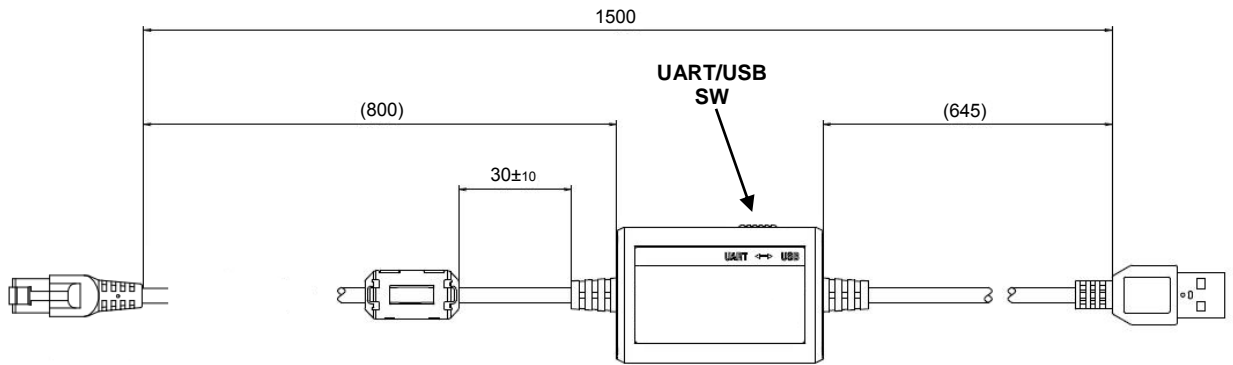
USB 2.0 Full Speed (12Mb/s) compliant.

##### 2.4 USB driver software

This software works on Microsoft windows Vista(32/64bit)/ 7(32/64bit)/8(32/64bit)/8.1(32/64bit).

This software is supplied with the CD-R.

### 3. Drawing External Appearance



#### Weight

Model	weight (kg)
KPG-46X	0.07

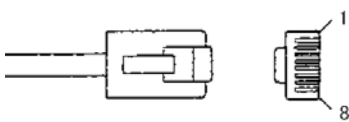
### 4. About selecting USB/UART

For using USB (Up to 12Mb/s USB Speed), Slide the SW of KPG-46X to USB.  
 For using UART (RS-232C), Slide the SW of KPG-46X to UART.

### 5. PC tuning for the mobile model with 8pin modular connector

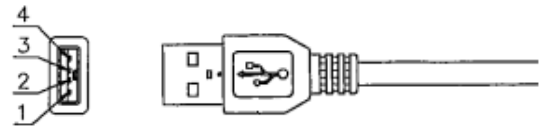
When PC tuning is performed, slide the SW of KPG-46X to UART.

### 6. Pin assignment



8Pin Modular connector

Pin assignment	
1:	D+
2:	NC
3:	GND
4:	RXD
5:	NC
6:	VBUS-DET
7:	TXD/D-
8:	NC



USB Connector

Pin assignment	
1:	VBUS
2:	D-
3:	D+
4:	GND

### 7. Accessories

No.	Name	Remarks
1	Instruction manual	8 languages
2	USB DRIVER	CD-ROM
3	Pamphlet	EU RoHS recast (RoHS2)
4	Pamphlet	Turkey WEEE



# KENWOOD

JVCKENWOOD Corporation  
Communications Systems BU