

# 无线手柄HB02 说明书



Model : HB02

The Manual For Fully functional Wireless Handle for Engraving machine  
使用本产品之前, 请先阅读本手册, 并妥善保存手册作日后参考。

## 外观结构说明 Structure Description



备注：当低压指示灯亮的时候，表示电池电量快用完了，建议更换电池。

Note: When the Low voltage indicator LED light, the battery is completely, Proposed to replace the battery

## 装箱配件说明 Packing Parts

- 接收器 ( Wireless USB Receiver ) : 1只 ( one )
- 无线手柄 ( Wireless Handle ) : 1只 ( one )
- 说明书 ( Manual ) : 1份 ( one )
- 保修卡 ( Warranty card ) : 1张 ( one )

DC Description **直流电气特性**

产品名称 Name	工作电压 Voltage	工作电流 Current	备注 Note
无线USB接收器 Wireless USB Receiver	4.5V ~ 5.0V	小于50mA Less than 50mA	
无线手柄 Wireless Handle	1.5V ~ 3.0V	平均电流小于2mA Average Current Less than 2mA	2000MAH的2节电池能使用2个月 Use of time More than 2 months USE Two 2000MAH Battery

**注意:** 无线手柄采用2节AA大容量电池. 当低压指示灯亮的时候, 表示电池电量快用完了, 建议更换电池。

**Note:** Wireless Handle Need Two AA Battery, When the Low voltage indicator LED light, the battery is completely, Proposed to replace the battery

RF Performance Description **无线性能描述**

序号 No.	性能参数描述 Performance or Parameters Description
1	采用2.4G无线RF传输技术, 发射功率0DB, 接收灵敏度-98DB The RF is Standard with 2.4G ISM ,the Tx power is 0DB and the RX sensitivity is -98DB
2	具有64个跳频频道, 每个频道间隔1MHZ The RF has 64 channels,the channel gap is 1Mhz
3	空旷直线传输距离大于15米 The transmission distance is further than 15 meters with no barrier
4	智能无线技术, 实现自动跳频, 自动节约功耗, 自动ID码学习 The protocol Designed with high performance, Low power consumption, Automatic learning ID Number
5	采用跳频传输, 抗干扰能力强, 能自动避开无线路由器, 2.4G无线耳机, 蓝牙设备的干扰。 To jump frequency Adaptively when noised ,which can work with 2.4G wireless Mic, Wlan and Bluetooth etc. devices.
6	跳频传输技术, 同一个房间, 能支持32套设备, 同时使用, 相互不受影响 32 sets Wireless Handle work fine at the same time in one room ,with no -interference each other

## ● 操作使用步骤说明 Use the steps Description

### ■ 第1步: ( Step 1)

安装驱动: 将光盘放入光驱, 安装无线手柄的驱动, 按照电脑提示, 直到安装成功, 并结束安装。

Set up the Driver Software , and flished Set up  
Please send CD into the CD-ROM, Please follow the computer prompts,  
Set up the Driver Software Until flished Set up



鼠标双击图标, 开始安装驱动

Double click the icon to begin installing the driver

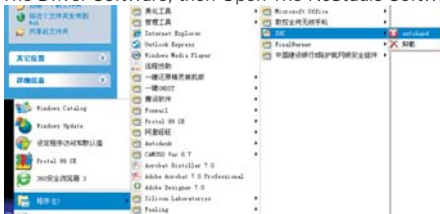


按照安装提示, 直到驱动安装完成

Please follow the computer prompts, Set up the Driver Software Until  
flished Set up

### ■ 第2步: ( Step 2)

打开软件: 打开刚刚安装的驱动程序, 然后再打开数控系统软件NcStudio  
OPEN The Driver Software, then Open The NcStudio Software



从开始菜单里边打开刚刚安装的驱动

From the Start menu to open just installed the driver inside



打开驱动后，在任务栏会出现驱动运行的图标

Open the driver soft, will appear in the task bar icon。

### ■ 第3步: ( Step 3)

将无线USB接收器，插入电脑的USB接口。如果是第1次使用，电脑会提示找到新硬件设备……等待USB驱动自动加载成功。

Please Insert Wireless USB Receiver into USB Jack

If this is the 1st use, the computer will be prompted to find a new hardware device, Automatically install the USB driver to wait for success

### ■ 第4步: ( Step 4)






将无线手柄安装上2节AA电池，注意电池的正负方向，不能装错。然后，按下红色电源开关，LCD将显示正常，手柄开始正常工作。

Installing 2 AA Batteries into Wireless Handle, Press red Power switch, LCD will display properly, the handle started to work

Note: The battery positive and negative direction, can not install the wrong

## ● 按键功能描述 Button Features Description








对应图标 Corresponding icon	名称 Name	按键功能描述 Key function description
	停止按钮 Stop button	按下该键，停止机床。如果机床不能停止，长按下3秒，复位运动控制器，机床停止。 Press the button to stop machine; If the machine does not stop, long press for 3 seconds, reset the motion controller, the machine stops.
	开始/暂停按钮 Start / Pause button	机床处于运行状态,按下该键,机床暂停加工 机床处于暂停状态,按下该键,机床继续运行 Machine is running, press the button, the machine to suspend processing Machine is paused, press this button, the machine continues to run
	断点继续按钮 Breakpoint Continue button	用于机床断电或断刀，重上电后，按下该键，机床从断点处继续工作 Power or cutting knife for machine tools, heavy power, press the button, the machine continues to work from the breakpoint
	浮动对刀开始/停止按钮/复位按钮 Floating on the knife start or stop or reset Button	当按下该键，机床执行对刀操作：同时，YES和NO提示灯闪烁，要用户再次确认是否要进行对刀。如果按下YES键，则开始对刀，LCD的对刀图标闪烁。表示正在进行对刀操作。按下NO，则退出对刀。 When you press the button, the machine Operating the knife YES and NO LED flashing lights, requires the user to reconfirm the need for the knife If you press YES key, the start of the knife, LCD's on the knife flashing; said the ongoing Operating of the knife. Press NO, then exit to the knife 当机床处于加工运行状态下，按下该按钮，机床复位，停止加工。 When the machine is processing running, press the button, the machine reset, and stop processing

	<p>回工件原点按钮 Back to the origin Button</p>	<p>按下该键，机床执行回工件原点操作 Press this key piece back to the origin of the implementation machine</p>
	<p>回机械原点按钮 Back mechanical origin button</p>	<p>按下该键，执行回机械原点操作。 当按下该键后，YES和NO灯闪烁，同时LCD显示屏上回机械原点图表闪烁；表示当前状态为机床回机械原点状态 如果用户按下YES，则全部轴回机械原点； 如果用户按下X，则X轴回机械原点，如果用户按下Y，则Y轴回机械原点，如果用户按下Z，则Z轴回机械原点； 如果用户按下NO，则退出回机械原点。 Press this key, the mechanical return origin Operating。 When you press the key, YES and NO light flashes and LCD display flashes back to the mechanical origin of the chart; indicates the current state of the state machine back to the mechanical origin If the user pressed YES, then all axis machine origin return; if the user presses the X, the X-axis back to the mechanical origin, if the user press the Y, the Y-axis back to the mechanical origin, if the user press the Z, the Z-axis back to the machine Origin; If the user presses NO, then exit back to the mechanical origin</p>
	<p>直接设置为连续移动模式 Continuous motion mode</p>	<p>按下该键,直接设定机床移动为连续移动模式 Press the button, set the machine moving directly to a continuous moving mode</p>
	<p>直接设置步距为0.1mm Set step 0.1mm</p>	<p>按下该键,直接设置机床移动步距为0.1毫米 Set step 0.1mm</p>
	<p>直接设置步距为1mm Set step 1mm</p>	<p>按下该键,直接设置机床移动步距为1毫米 Set step 1mm</p>

	Z安全高度设定 Z Coordinates 1/2 Button	将当前Z轴的工件坐标做为Z轴的退刀点 Z Coordinates 1 / 2
	X=0按钮 X oordinates=0 Button	将当前坐标设置为X轴工件坐标 X coordinate is set to the current Workpiece coordinates axis
	Y=0按钮 Y oordinates=0 Button	将当前坐标设置为Y轴工件坐标 Y coordinate is set to the current Workpiece coordinates axis
	Z=0按钮 Z oordinates=0 Button	将当前坐标设置为Z轴工件坐标 Z coordinate is set to the current Workpiece coordinates axis
	X轴负方向移动 X-axis negative direction	按下该键,调节机床X轴负方向移动 X-axis negative direction
	X轴正方向移动 X-axis positive direction	按下该键,调节机床X轴正方向移动 X-axis positive direction
	Y轴负方向移动 Y-axis negative direction	按下该键,调节机床Y轴负方向移动 Y-axis negative direction
	Y轴正方向移动 Y-axis positive direction	按下该键,调节机床Y轴正方向移动 Y-axis positive direction
	Z轴负方向移动 Z-axis negative direction	按下该键,调节机床Z轴负方向移动 Z-axis negative direction
	Z轴正方向移动 Z-axis positive direction	按下该键,调节机床Z轴正方向移动 Z-axis positive direction



	<p>高速 High-speed mobile</p>	<p>按下该键, 机床高速移动打开, 同时高速指示灯亮; 再按下该键, 高速移动关闭, 同时高速指示灯灭 Press the button, the machine's high-speed mobile open, and high-speed indicator light; then press the key, high-speed mobile off, while high-speed light off</p>
	<p>步距调节增加 Step adjustment to increase</p>	<p>按下该键, 调节机床步距; 进行步距增加调节 Step adjustment to increase</p>
	<p>步距调节减少 Step adjustment Reduce</p>	<p>按下该键, 调节机床步距; 进行步距减少调节 Step adjustment Reduce</p>
	<p>主轴转速增加 Spindle speed increase</p>	<p>调节主轴转动速度, 进行增加调节 Spindle speed increase</p>
	<p>主轴转速减少 Spindle speed Reduce</p>	<p>调节主轴转速, 进行减少调节 Spindle speed Reduce</p>
	<p>进给增加 Increase in feed</p>	<p>调节机床进给速度, 进行增加调节 Increase in feed</p>
	<p>进给减少 Reduced feed</p>	<p>调节机床进给速度, 进行减少调节 Reduced feed</p>
	<p>微调按钮 Fine adjustment</p>	<p>对机床进行微调操作, 可以微调X、Y、Z轴的运动。 Fine-tune the operation of the machine, you can fine-tune the X, Y, Z axis movement</p>
	<p>主轴开启/停止 the spindle start or stop button</p>	<p>对主轴开启和停止起控制作用 Start and stop the spindle from the control action</p>

	固定对刀 Fixed height of the calibration tool	按下该键,机床执行固定对刀操作 Fixed height of the calibration tool
	取消键 Cancel button	当用户按下微调或回机械原点的时候,对应YES或NO指示灯闪烁,提示用户按下NO或YES再次进行确认当前操作。按下NO键,取消操作;按下YES键,确认当前操作
	确认键 Yes button	When the user presses the fine-tuning or mechanical origin back to the time corresponding to YES or NO lights flashing, prompts the user to press the NO or YES again to confirm the current operation press the NO key to cancel the operation; Press YES to confirm the current operation.
	打开菜单 Open NcStudio Menu	按下该键,打开NcStudio的操作菜单 Open NcStudio Menu
	向上移动 Up	在打开NcStudio的操作菜单情况下,按下该键,进行菜单向上移选择 Open NcStudio operation in the case of the menu, press the button, the up-shift select the menu
	向下移动 Down	在打开NcStudio的操作菜单情况下,按下该键,进行菜单向下移选择 Open NcStudio operation in the case of the menu, press the button, the Down-shift select the menu
	向左移动 Left	在打开NcStudio的操作菜单情况下,按下该键,进行菜单向左移选择 Open NcStudio operation in the case of the menu, press the button, the Left-shift select the menu
	向右移动 Right	在打开NcStudio的操作菜单情况下,按下该键,进行菜单向右移选择 Open NcStudio operation in the case of the menu, press the button, the Right-shift select the menu

	菜单确认 Enter	在打开NcStudio的操作菜单情况下，选择了菜单后，按下该键，确认当前的菜单操作；按下ESC，取消菜单操作
	取消 Cancel	Open NcStudio operation in the case of the menu, select the menu, press the button to confirm the current menu operation; press ESC, to cancel the menu operation



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