

# SBOX INFORMATION

SBOX-3-KS 220 V, 110 V and SBOX-4-KS 220 V, 110V



Marchant Dice Ltd.

[2010]

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**Information:**

➤ **Power Volt: AC220 V or 110 V**

✧ **Features :**

- Control for XYZ axis (optional C, SBOX-4)
- Limit / Home switches for XYZ axis
- Cooling Pump system on / off
- Control for spindle on / off

✧ **Limitations :**

- **It cannot control by controlled manually, ie. by MPG Hand wheel.**
- No MPG plug
- PMW signal for spindle – spindle speed control
- No onboard inverter, spindle control board, therefore no encode option.

When you purchase a new controller, we suggest that you carry out an inspection..

**1. Inspect for transport damage**

If found, please sign for the goods as damaged, the please keep all packaging until the controller with its accessories which are tested successfully, if faulty please connect MDL Ltd.

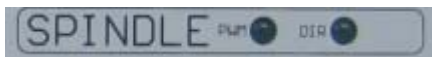
## SBOX : Information

### A. Axis Signal LED :



When an axis is being used either by the software of MPG Hand held pendant, the indicator LED will be on.

### B. Spindle : The Milling spindle direction



Direction Forward and Reverse indicated by LED

### C. E-Stop :



When pushed / activated, the E-Stop LED changes to red.  
When the LINK is open (indicator LED on), = using the software  
(Note, the LED will be off, when we stop /or close the software).

### D. FLOOD :



When the Coolant / mist pump is on, the LED is on.

### E. INPUT :



When you touch the limit switch of an axis, the LED will indicate which axis.

## CNC SBOX

**SBOX : Back view**

**A. PC Parallel Port :**



Connection to the PC

**B. Stepper Motor Connector :**



X, Y, Z axis, also the 4<sup>th</sup> axis. (Mix for 4 axis)

**C. AC INPUT :**



**D.FLOOD :**

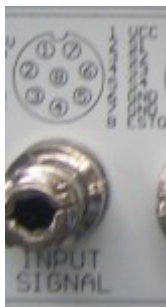


Voltage: 10A 125VAC / 7A 240VAC

Connector for coolant pump or Vacuum. (The KA & KB are connecting for the pump.) NC n/a.

**CNC SBOX**

Marchant Dice Ltd [www.worldofcnc.com](http://www.worldofcnc.com)

**E. INPUT SIGNAL:**

Limit switches / Proximity Home switches and E-Stop.

**F. Spindle Control:**

Spindle control by PMW signal.