

# DOUBLE KEEN IND. LTD.

## BILL OF MATERIAL (材料清單)

MODEL DK-902 (OUTDOOR UNIT)

| 序號                         | 項目名稱(英)              | 項目名稱(中)     | 項目類別                                    | 數量  | 備註     |
|----------------------------|----------------------|-------------|-----------------------------------------|-----|--------|
| NO                         | DESCRIPTION          | DESCRIPTION | PARTICULAR                              | QTY | REMARK |
| *****MAIN PCB ASS'Y (底板組件) |                      |             |                                         |     |        |
| 1                          | C-CAP                | 瓷片電容        | 8P/16V $\phi$ 5 (NPO) $\pm$ 10%         | 2   |        |
| 2                          | C-CAP                | 瓷片電容        | 10P/16V $\phi$ 5 (NPO) $\pm$ 10%        | 1   |        |
| 3                          | C-CAP                | 瓷片電容        | 15P/16V $\phi$ 5 (NPO) $\pm$ 10%        | 1   |        |
| 4                          | C-CAP                | 瓷片電容        | 25P/16V $\phi$ 5 (NPO) $\pm$ 10%        | 1   |        |
| 5                          | C-CAP                | 瓷片電容        | 30P/16V $\phi$ 5 (NPO) $\pm$ 10%        | 1   |        |
| 6                          | C-CAP                | 瓷片電容        | 33P/16V $\phi$ 5 (NPO) $\pm$ 10%        | 1   |        |
| 7                          | C-CAP                | 瓷片電容        | 35P/16V $\phi$ 5 (NPO) $\pm$ 10%        | 1   |        |
| 8                          | C-CAP                | 瓷片電容        | 100P/16V $\phi$ 5 (NPO) $\pm$ 10%       | 1   |        |
| 9                          | C-CAP                | 瓷片電容        | 150P/16V $\phi$ 7 (N750) $\pm$ 10%      | 2   |        |
| 10                         | C-CAP                | 瓷片電容        | 330P/16V $\phi$ 5 $\pm$ 20%             | 1   |        |
| 11                         | C-CAP                | 瓷片電容        | 470P/16V $\phi$ 5 $\pm$ 20%             | 1   |        |
| 12                         | C-CAP                | 瓷片電容        | 500P/16V $\phi$ 5 $\pm$ 20%             | 1   |        |
| 13                         | C-CAP                | 瓷片電容        | 1000P/16V $\phi$ 5 $\pm$ 20%            | 3   |        |
| 14                         | C-CAP                | 瓷片電容        | 2200P/16V $\phi$ 5 $\pm$ 20%            | 1   |        |
| 15                         | C-CAP                | 瓷片電容        | 4700P/16V $\phi$ 5 $\pm$ 20%            | 2   |        |
| 16                         | C-CAP                | 瓷片電容        | 0.01 $\mu$ F/16V $\phi$ 5 $\pm$ 20%     | 5   |        |
| 17                         | C-CAP                | 瓷片電容        | 0.047 $\mu$ F/16V $\phi$ 5 $\pm$ 20%    | 1   |        |
| 18                         | C-CAP                | 瓷片電容        | 0.1 $\mu$ F/16V $\phi$ 7 $\pm$ 20%      | 8   |        |
| 19                         | Mylar Cap            | 聚酯電容        | 6800P/100V $\pm$ 10%                    | 1   |        |
| 20                         | E-CAP                | 電解電容        | 1 $\mu$ F/10V $\phi$ 5x11 $\pm$ 20%     | 2   |        |
| 21                         | E-CAP                | 電解電容        | 2.2 $\mu$ F/10V $\phi$ 5x11 $\pm$ 20%   | 2   |        |
| 22                         | E-CAP                | 電解電容        | 33 $\mu$ F/10V $\phi$ 5x11 $\pm$ 20%    | 1   |        |
| 23                         | E-CAP                | 電解電容        | 47 $\mu$ F/10V $\phi$ 5x11 $\pm$ 20%    | 2   |        |
| 24                         | E-CAP                | 電解電容        | 100 $\mu$ F/10V $\phi$ 6.3x11 $\pm$ 20% | 2   |        |
| 25                         | E-CAP                | 電解電容        | 220 $\mu$ F/10V $\phi$ 6.3x11 $\pm$ 20% | 1   |        |
| 26                         | Carbon film Resistor | 碳膜電阻        | 8.2 $\Omega$ 1/4W $\pm$ 5%              | 1   |        |
| 27                         | Carbon film Resistor | 碳膜電阻        | 120 $\Omega$ 1/4W $\pm$ 5%              | 1   |        |
| 28                         | Carbon film Resistor | 碳膜電阻        | 150 $\Omega$ 1/4W $\pm$ 5%              | 1   |        |
| 29                         | Carbon film Resistor | 碳膜電阻        | 330 $\Omega$ 1/4W $\pm$ 5%              | 2   |        |
| 30                         | Carbon film Resistor | 碳膜電阻        | 470 $\Omega$ 1/4W $\pm$ 5%              | 2   |        |
| 31                         | Carbon film Resistor | 碳膜電阻        | 820 $\Omega$ 1/4W $\pm$ 5%              | 1   |        |
| 32                         | Carbon film Resistor | 碳膜電阻        | 1K 1/4W $\pm$ 5%                        | 2   |        |
| 33                         | Carbon film Resistor | 碳膜電阻        | 1.2K 1/4W $\pm$ 5%                      | 1   |        |
| 34                         | Carbon film Resistor | 碳膜電阻        | 2K 1/4W $\pm$ 5%                        | 1   |        |
| 35                         | Carbon film Resistor | 碳膜電阻        | 2.2K 1/4W $\pm$ 5%                      | 1   |        |
| 36                         | Carbon film Resistor | 碳膜電阻        | 3.3K 1/4W $\pm$ 5%                      | 1   |        |
| 37                         | Carbon film Resistor | 碳膜電阻        | 4.7K 1/4W $\pm$ 5%                      | 2   |        |

DRAWN: 徐國平 日期: 99.4.6

CHECK: Yikang 日期: 99.4.1

APPROVAL: K. T. Wong 日期: 99.4.6

DOUBLE KEEN INDUSTRIAL LTD.

FCC ID: OLTDK-902-T

EXHIBIT #: 4A

# DOUBLE KEEN IND. LTD.

LIST OF MATERIAL (材料清單)

MODEL:DK-902 (GUT DOOR UNIT)

| 序號                        | 項目名稱(英)              | 項目名稱(中)     | 項目類別          | 數量  | 備註     |
|---------------------------|----------------------|-------------|---------------|-----|--------|
| NO                        | DESCRIPTION          | DESCRIPTION | PARTICULAR    | QTY | REMARK |
| *****MAIN PCB ASS'Y(底板組件) |                      |             |               |     |        |
| 38                        | Carbon film Resistor | 碳膜電阻        | 5.1K 1/4W+-5% | 1   |        |
| 39                        | Carbon film Resistor | 碳膜電阻        | 6.8K 1/4W+-5% | 2   |        |
| 40                        | Carbon film Resistor | 碳膜電阻        | 10K 1/4W+-5%  | 8   |        |
| 41                        | Carbon film Resistor | 碳膜電阻        | 22K 1/4W+-5%  | 1   |        |
| 43                        | Carbon film Resistor | 碳膜電阻        | 27K 1/4W+-5%  | 2   |        |
| 44                        | Carbon film Resistor | 碳膜電阻        | 30K 1/4W+-5%  | 1   |        |
| 45                        | Carbon film Resistor | 碳膜電阻        | 33K 1/4W+-5%  | 2   |        |
| 46                        | Carbon film Resistor | 碳膜電阻        | 39K 1/4W+-5%  | 1   |        |
| 47                        | Carbon film Resistor | 碳膜電阻        | 47K 1/4W+-5%  | 3   |        |
| 48                        | Carbon film Resistor | 碳膜電阻        | 68K 1/4W+-5%  | 3   |        |
| 49                        | Carbon film Resistor | 碳膜電阻        | 100K 1/4W+-5% | 4   |        |
| 50                        | Carbon film Resistor | 碳膜電阻        | 120K 1/4W+-5% | 1   |        |
| 51                        | Carbon film Resistor | 碳膜電阻        | 220K 1/4W+-5% | 1   |        |
| 52                        | Carbon film Resistor | 碳膜電阻        | 470K 1/4W+-5% | 1   |        |
| 53                        | Carbon film Resistor | 碳膜電阻        | 1M 1/4W+-5%   | 1   |        |
| 54                        | Metal Resistor       | 金屬膜電阻       | 2M 1/4W+-1%   | 1   |        |
| 55                        | Metal Resistor       | 金屬膜電阻       | 180K 1/4W+-1% | 1   |        |
| 56                        | Rotary potentiometer | 小型電位器       | SWR-083-50K   | 2   | 博鉅     |
| 57                        | Rotary potentiometer | 小型電位器       | SWR-083-5K    | 2   | 博鉅     |
| 58                        | Diode                | 二極管         | 1N4148        | 4   |        |
| 59                        | Zener diode          | 穩壓二極管       | 3V3           | 2   |        |
| 60                        | Zener diode          | 穩壓二極管       | 4V7           | 1   |        |
| 61                        | Diode                | 二極管         | 1N60P         | 2   |        |
| 62                        | V.Cap diode          | 變容二極管       | 1SV214        | 1   |        |
| 63                        | LED (R)              | 發光二極管       | φ3 紅色         | 1   |        |
| 64                        | Fixed inductor       | 色碼電感        | 0.47μH        | 1   |        |
| 65                        | Fixed inductor       | 色碼電感        | 1.5μH         | 1   |        |
| 66                        | Coil                 | 中周          | 3665(7x7mm)   | 1   |        |
| 67                        | Coil                 | 中周          | 3666(7x7mm)   | 1   |        |
| 68                        | Coil                 | 中周          | 3667(7x7mm)   | 1   |        |
| 69                        | Coil                 | 中周          | 3668(7x7mm)   | 1   |        |
| 70                        | Coil                 | 中周          | 3669(7x7mm)   | 1   |        |
| 71                        | Coil                 | 中周          | 3670(7x7mm)   | 1   |        |
| 72                        | Transistor           | 三極管         | 9018G         | 4   |        |
| 73                        | Transistor           | 三極管         | 9014          | 5   |        |
| 74                        | Transistor           | 三極管         | 8550          | 3   |        |
| 75                        | Transistor           | 三極管         | 8050          | 1   |        |
| 76                        | IC                   | 集成電路        | DIP LM386N-1  | 1   |        |
| 77                        | IC                   | 集成電路        | DIP MC3361BP  | 1   |        |

DRAWN: 楊家喜 1992

DATE: 99.4.6

CHECK: Y. K. Yip T. P. Li

DATE: 99.4.6

APPROVAL: K. T. Li

DATE: 99.4.6

DOUBLE KEEN INDUSTRIAL LTD.  
FCC ID: OLTDK-902-T  
EXHIBIT #: 4B

# DOUBLE KEEN IND. LTD.

BILL OF MATERIAL (材料清單)

MODEL: DK-902 (OUTDOOR UNIT)

| 序號                        | 項目名稱(英)                  | 項目名稱(中)         | 項目類別                      | 數量   | 備注     |
|---------------------------|--------------------------|-----------------|---------------------------|------|--------|
| NO                        | DESCRIPTION              | DESCRIPTION     | PARTICULAR                | Q'TY | REMARK |
| *****MAIN PCB ASS'Y(底版組件) |                          |                 |                           |      |        |
| 78                        | IC                       | 集成電路            | DIP CD4069                | 1    |        |
| 79                        | IC                       | 集成電路            | DIP LM358                 | 1    |        |
| 80                        | Crystal                  | 晶體              | 49.860 MHZ(30pf +-20PPM)  | 1    |        |
| 81                        | Crystal                  | 晶體              | 49.890 MHZ(30pf +-20PPM)  | 1    |        |
| 82                        | Crystal                  | 晶體              | 16.620MHZ(無窮大負載電容+-20PPM) | 1    |        |
| 83                        | Crystal                  | 晶體              | 16.630MHZ(無窮大負載電容+-20PPM) | 1    |        |
| 84                        | Slide Switch             | 控制開關            | SK22D03G6 (2P2T)          | 1    | 同發寶    |
| 85                        | Slide Switch             | 控制開關            | SK12D02G6 (1P2T)          | 1    | 同發寶    |
| 86                        | Tact Switch              | 控制開關            | 同DK-901                   | 2    |        |
| 87                        | Mylar Speaker            | 喇叭              | 8Ω 0.25W 2.25" 5771 mm    | 1    | 海得威    |
| 88                        | Microphone               | 麥克風             | EM4FA-54db                | 1    |        |
| 89                        | Filter                   | 濾波器             | LT455EW                   | 1    |        |
| 90                        | PCB                      | 印刷板             | DK-902D-3(單面紙板) =1.6mm    | 1    |        |
| 91                        | KEY PCB                  | 按鍵印刷板           | DK-902KEY(單面紙板) =1.6mm    | 1    |        |
| 92                        | Jump Wire                | 導線(Speaker)     | (白) 28#120mm              | 1    |        |
| 93                        | Jump Wire                | 導線              | (黑) 28#120mm              | 2    |        |
| 94                        | Jump Wire                | 導線              | (棕) 28# 120mm             | 1    |        |
| 95                        | Jump Wire                | 導線              | (紅) 28# 120mm             | 1    |        |
| 96                        | Jump Wire                | 導線              | (綠) 28# 120mm             | 1    |        |
| 97                        | Jump Wire                | 導線(MIC)         | (藍) 28# 150mm             | 1    |        |
| 98                        | Jump Wire                | 導線(MIC)         | (黑) 28# 70mm              | 1    |        |
| 99                        | Jump Wire                | 導線              | (黃) 28# 50mm              | 1    |        |
| 100                       | Jump Wire                | 導線              | (灰) 28# 120mm             | 1    |        |
| *****MECH PARTS 結構件       |                          |                 |                           |      |        |
| 101                       | Top Cabinet              | 上蓋              | DK-902D-M001              | 1    |        |
| 102                       | Bottom Cabinet           | 下蓋              | DK-902D-M002              | 1    |        |
| 103                       | Battery door             | 電池門             | DK-902D-M004              | 1    |        |
| 104                       | Button for talk and Bell | 按鈕              | DK-902D-M003              | 1    |        |
| 105                       | Ring for Cabinet         | 防水圈(上下蓋)        | DK-902D-M006              | 1    |        |
| 106                       | Ring for battery door    | 防水圈(電池門)        | DK-902D-M007              | 1    |        |
| 107                       | Rubber loop for MIC      | 膠套              | DK-902D-M0016             | 1    |        |
| 108                       | WRAP                     | 保鮮紙             |                           |      |        |
| 109                       | Fender                   | 擋板              | DK-902D-M005              | 1    |        |
| 110                       | Double side tape         | 雙面膠             | DK-902D-M0017             | 1    |        |
| 111                       | Water PVC                | 防水膠介子           | φ5.1X2.7X0.3              | 2    |        |
| *****Metal parts 五金件      |                          |                 |                           |      |        |
| 112                       | Mounting Bracket         | 掛壁板             | DK-902D-M008              | 1    |        |
| 113                       | Screw                    | 螺絲(上下蓋)         | 2.3x20PWB (φ5介子)          | 2    |        |
| 114                       | Screw                    | 螺絲(電池倉內上下蓋)     | 2.3x8PWB                  | 3    |        |
| 115                       | Screw                    | 螺絲(KEY-PCB-PCB) | 2.3x6PB                   | 5    |        |

DRAWN: 徐家強 常任 DATE: 99.8.6  
 CHECK: X. C. King 經理 DATE: 99.8.6  
 APPROVAL: K. T. 100000 DATE: 99.8.6

DOUBLE KEEN INDUSTRIAL LTD.  
 FCC ID: OLTDK-902-T  
 EXHIBIT #: 4C

