MBOXUDP Data area

```
                  55 aa 00 00 13 01 00 01 ff ff ff ff 00 00 00
01 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00 00 00 00 00 00 00 12 34 56 78 ab cd
```

Verification code

By code

Function code

Whether six axes

Determine which platform to receive UDP data, which platform to reply ("FF" means all received and all replies)

Send out the serial number of the UDP command

Time code

Six axes of data, four bytes per axis

12 switch amount

2 analog quantity

UDP Data area for example

Example, The stroke of the electric cylinder is 50 mm, the lead is 5 mm, and the pulse is 10000

Each electric cylinder is calculated from 0 to 25 mm the number of pulses required: 25/5 * 10000 = 50000, converted to hexadecimal is 0x0000c350 (can be set according to the need for each cylinder length, The example is that the length of each cylinder is the same.

1、Six axes of data, and for absolute time mode (function code is 1301)

```
                  55 aa 00 00 13 01 00 01 ff ff ff ff 00 00 00
01 00 00 00 00 00 00 c3 50 00 00 c3 50 00 00 c3 50 00 00
c3 50 00 00 c3 50 00 00 c3 50 12 34 56 78 ab cd
```

2、Six axes of data, and for the relative time mode (function code is 1401)

```
                  55 aa 00 00 14 01 00 01 ff ff ff ff 00 00 00
01 00 00 00 64 00 00 c3 50 00 00 c3 50 00 00 c3 50 00 00
c3 50 00 00 c3 50 00 00 c3 50 12 34 56 78 ab cd
```

0x00000064 = 100 milliseconds, within 100 milliseconds to complete the UDP instruction specified action.

3、Three axes of data and for absolute time mode (function code is 1301)

```
                  55 aa 00 00 13 01 00 00 ff ff ff ff 00 00 00
01 00 00 00 00 00 00 c3 50 00 00 c3 50 00 00 c3 50 12 34
56 78 ab cd
```

4、Three axes of data, and for the relative time mode (function code is 1401)

```
                  55 aa 00 00 14 01 00 00 ff ff ff ff 00 00 00
01 00 00 00 64 00 00 c3 50 00 00 c3 50 00 00 c3 50 12 34
56 78 ab cd
```

0x00000064 = 100 milliseconds, within 100 milliseconds to complete the UDP instruction specified action.

If the UDP instruction is XYZUVW six axes of the data, and the platform is three axes, it will take XYZ three axis data, discard the data behind the UVW, so the six-axis UDP command is compatible with less than six axes or equal Six axes of all platforms.

5、Platform emergency stop command (function code is 1201)

```
                  55 aa 00 00 12 01 00 00 ff ff ff ff 00 90 00
01 00 01
```

The object channel is 0, indicating that the parameter register is modified, but it is not saved.

The start address of the parameter register is 0x0090.

The length of the register is 1, indicating that only one register is accessed.

Parameter register value, write 0x0001 to address 0x0090, so that the platform emergency stop.

6、Cancel the platform's emergency stop command (function code is 1201)

55 aa 00 00 12 01 00 00 ff ff ff ff 00 90 00 01 00 00

The object channel is 0, indicating that the parameter register is modified, but it is not saved.

The start address of the parameter register is 0x0090.

The length of the register is 1, indicating that only one register is accessed.

7、Platform reset command (function code is 1201)

55 aa 00 00 12 01 00 02 ff ff ff ff 00 00 00 01 00 00

The object channel is 2, indicating the command register

The command register start address is 0, indicating the playback control command register

The length of the register is 1, Indicates that only one register is to be operated.

The command register data is 0x0000 to implement the reset operation.

8、Special effect output

The 12-way switch in the instruction corresponds to the output of the special effect.

This is a 16bit data, high 4bit reserved, low 12bit that 12 digital output.

B15	B14	B13	B12	B11	B10	B9	B8	B7	B6	B5	B4	B3	B2	B1	B0
Reserved				12 digital output settings											