How to Use Viewpro Gimbal Camera with Herelink

Channels settings protocol：

Command format: (do not change the red byte, just change the blue byte as your channel setting)

AA 55 11 YW PT MO ZM FC RP MU FF (all byte is hex data, little-endian mode)

| | | | | | | |__Multi: combine mode(<0x11), separate mode(>0x10)

| | | | | | |_PIC/REC: combine mode(<0x11), separate mode(>0x10)

| | | | | |__Focus: combine mode(<0x11), separate mode(>0x10)

| | | | |_____Zoom: combine mode(<0x11), separate mode(>0x10)

| | | |____Mode: combine mode(<0x11), separate mode(>0x10)

| | |____Pitch: combine mode(<0x11), separate mode(>0x10)

| |___Yaw: combine mode(<0x11), separate mode(>0x10)

1100 is PWM value 1100us, 1500 is PWM value 1500us, 1900 is PWM value 1900us

1) Combine mode:

each function use one 3-position channel to control, the value should be <= 16 (0x10), set 1 for channel 1, 2 for channel 2, ...0x10 for channel 16, if no control, just set to 0.For example: use 1,2,3,4,9,10 ,16 to control the gimbal, the command should be AA 55 11 01 02 03 04 09 0A 10 FF

AA 55 11 01 02 03 04 09 0A 10 FF (all byte is hex data, little-endian mode)

| | | | | | | |_Multi: channel 16, 1100,stop track, 1500 cross cursor, 1900 start track

| | | | | | |_PIC/REC: channel 10: 1100 pic, 1500 no use,1900 record start/stop

| | | | | |_Focus: channel 9: 1100 focus out, 1500 focus stop,1900 focus in

| | | | |_Zoom: channel 4: 1100 zoom out, 1500 zoom stop, 1900 zoom in

| | | |_Mode: channel 3: 1100 low speed, 1500 mid speed, 1900 recenter

| | |_Pitch: channel 2: 1100 pitch up, 1500 pitch stop, 1900 pitch down

| |_Yaw: channel 1: 1100 yaw left, 1500 yaw stop, 1900 yaw right

2) Separate mode:

Each function use two 2-postion channels to control.the value should be > 16 (0x10). If the value less than 0x11, the mode is combine mode. The in the separate mode, the byte definition is bit 0-3: 1100ns chan#, bit4-7: 1900ns chan#

The initial value of these two chan should be 1500ns. The switch use momentary switch mode. Do not use toggle switch mode.

AA 55 11 YW PT MO ZM FC RP MU FF (all byte is hex data, little-endian mode)

| | | | | | | |__Multi: 0x0M= track chan#(1900), 0x0U = stop track chan#(1100)
| | | | | | |_PIC/REC: 0x0R= record chan#(1900), 0x0P = picture chan#(1100)
| | | | | |__Focus: 0x0F= focus in chan#(1900), 0x0C = focus out chan#(1100)
| | | | |__Zoom: 0x0Z= zoom in chan#(1900), 0x0M = zoom out chan#(1100)
| | | |____Mode: 0x0M= recenter chan#(1900), 0x0O = slow speed chan#(1100)
| | |____Pitch: 0x0P= pitch down chan#(1900), 0x0T =pitch up chan#(1100)
| |___Yaw: 0x0Y= yaw right chan#(1900), 0x0W = yaw left chan#(1100)

For example: PIC/REC and Multi use separate mode to control,other channels use combine mode.1(yaw), 2(pitch), 3(mode), 4(zoom), 5(focus), 6(picture), 7(record), 8(stop track), 9(track)

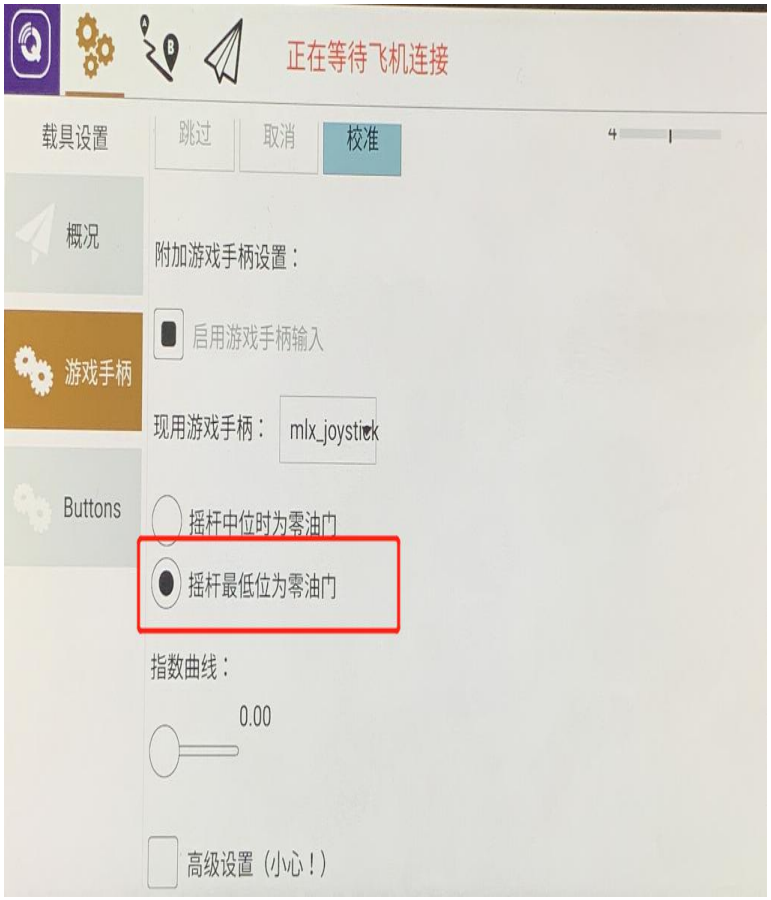
AA 55 11 01 02 03 04 05 76 98 FF

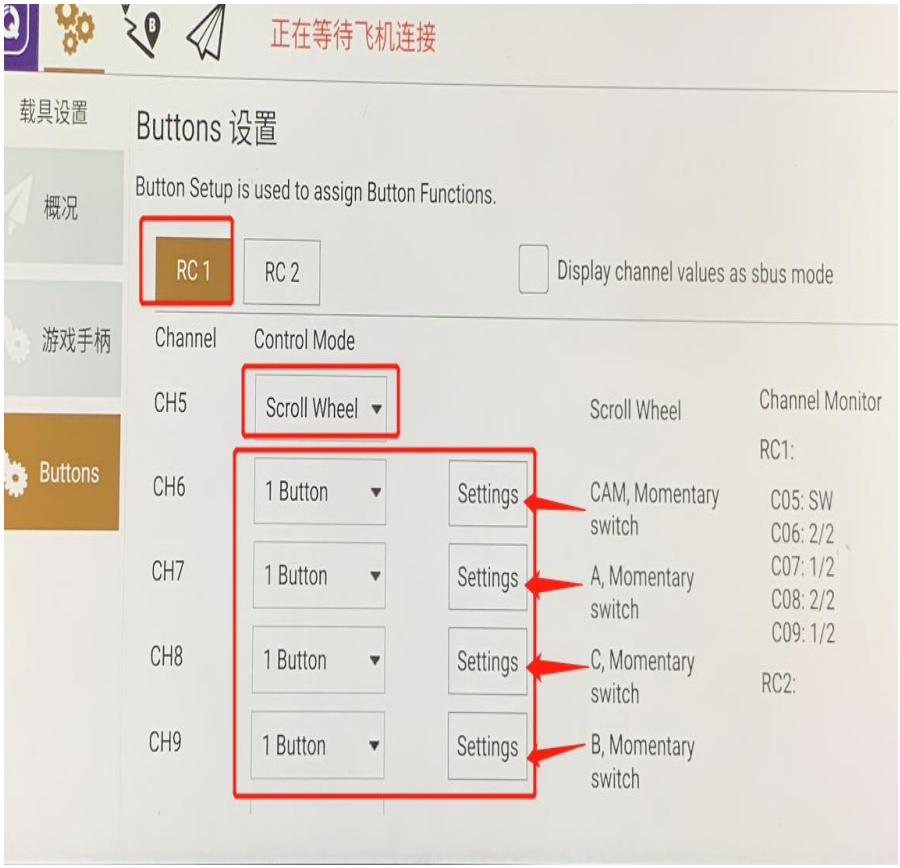
| | | | | | | |__Multi: channel 8: 1100 stop track, channel 9: 1900 start track
| | | | | | |__PIC/REC: channel 6: 1100 picture, channel 7: 1900 start/stop record
| | | | | |__Focus: channel 5: 1100 focus out, 1500 focus stop,1900 focus in
| | | | |__Zoom: channel 4: 1100 zoom out, 1500 zoom stop, 1900 zoom in
| | | |__Mode: channel 3: 1100 low speed, 1500 mid speed, 1900 recenter
| | |___Pitch: channel 2: 1100 pitch up, 1500 pitch stop, 1900 pitch down
| |__Yaw: channel 1: 1100 yaw left, 1500 yaw stop, 1900 yaw right

Herelink setting for Viewpro gimbals:

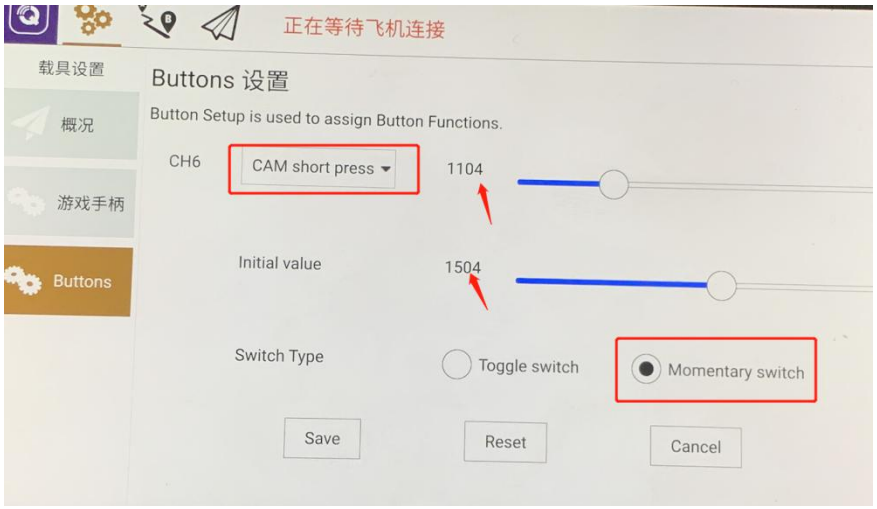
Send command: AA 55 01 02 03 04 05 76 98 FF

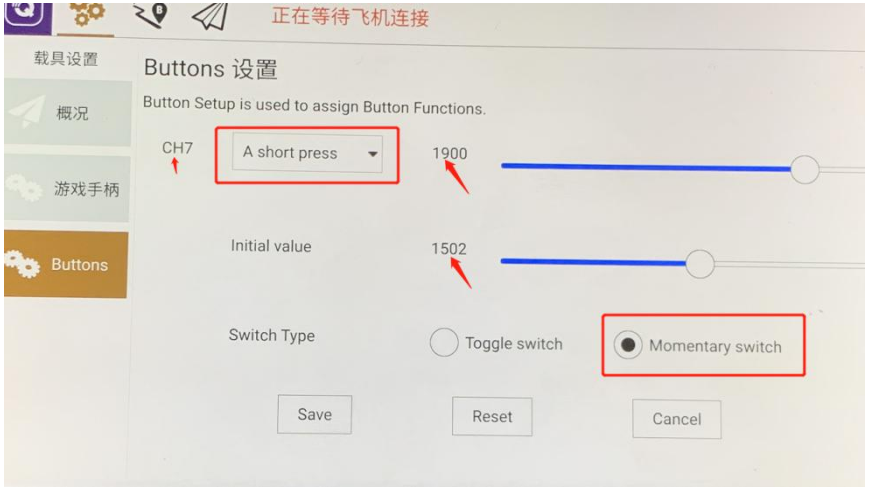
Viewpro

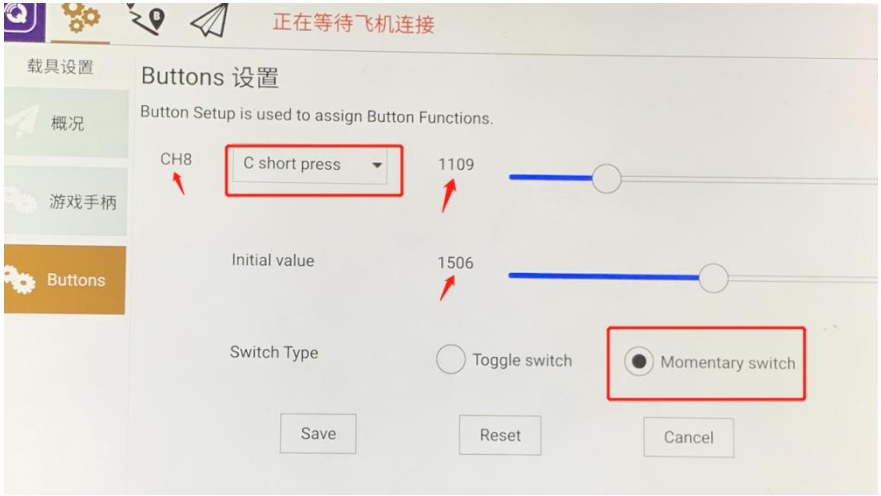

正在等待飞机连接
载具设置
跳过
取消
校准
概况
游戏手柄
Buttons
附加游戏手柄设置：
启用游戏手柄输入
现用游戏手柄：
mlx_joystick
摇杆中位时为零油门
摇杆最低位为零油门
指数曲线：
0.00
高级设置（小心！）

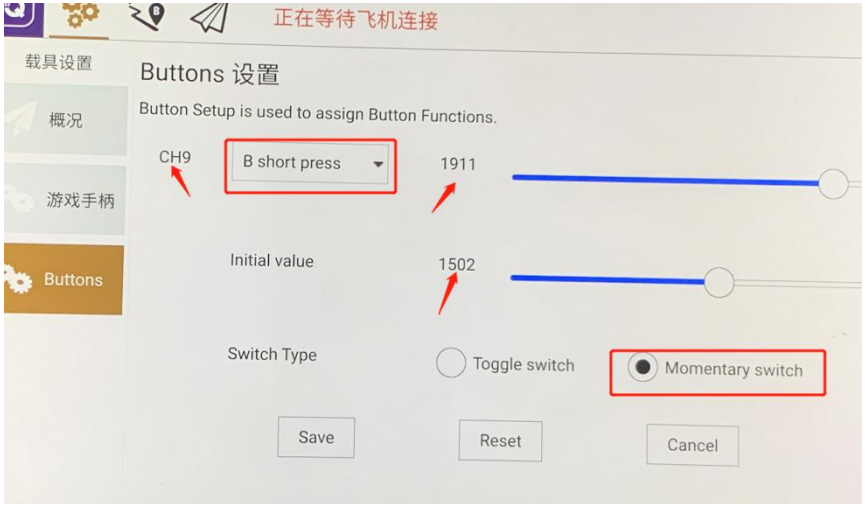

正在等待飞机连接
载具设置
概况
游戏手柄
Buttons
Buttons 设置
Button Setup is used to assign Button Functions.
RC 1
RC 2
Display channel values as sbus mode
Channel
Control Mode
CH5
Scroll Wheel
CH6
1 Button
Settings
CH7
1 Button
Settings
CH8
1 Button
Settings
CH9
1 Button
Settings
Scroll Wheel
CAM, Momentary switch
A, Momentary switch
C, Momentary switch
B, Momentary switch
Channel Monitor
RC1:
C05: SW
C06: 2/2
C07: 1/2
C08: 2/2
C09: 1/2
RC2:

Viewpro


正在等待飞机连接
载具设置
概况
游戏手柄
Buttons
Buttons 设置
Button Setup is used to assign Button Functions.
CH6
CAM short press
1104
Initial value
1504
Switch Type
Toggle switch
Momentary switch
Save
Reset
Cancel


正在等待飞机连接
载具设置
概况
游戏手柄
Buttons
Buttons 设置
Button Setup is used to assign Button Functions.
CH7
A short press
1900
Initial value
1502
Switch Type
Toggle switch
Momentary switch
Save
Reset
Cancel


正在等待飞机连接
载具设置
概况
游戏手柄
Buttons
Buttons 设置
Button Setup is used to assign Button Functions.
CH8
C short press
1109
Initial value
1506
Switch Type
Toggle switch
Momentary switch
Save
Reset
Cancel


正在等待飞机连接
载具设置
概况
游戏手柄
Buttons
Buttons 设置
Button Setup is used to assign Button Functions.
CH9
B short press
1911
Initial value
1502
Switch Type
Toggle switch
Momentary switch
Save
Reset
Cancel