

#0508 EMS TopGun setup guide

1. TopGun packaging list

1.1 EMS TopGun



1.2 PC driver CD



1.3 LED stand A

(with 2 sets of LED)

LED stand B

(with 3 sets of LED)



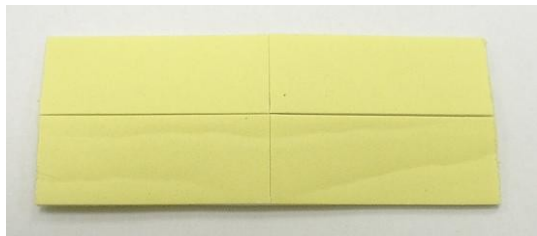
1.4 LED stand hooks



1.5 Y shape mini cable



1.6 Double sided tape



2. TopGun buttons list

2.1 A (B at the back)

2.2 C

2.3 D

2.4 SE/BA

2.5 START

2.6 Cross pad

2.7 Auto fire switch

0 - normal

1 - Auto Fire

2 - Auto Fire/Auto reload

2.8 X / P

“P” for PS2™/PS3™/PC

“X” for Xbox™

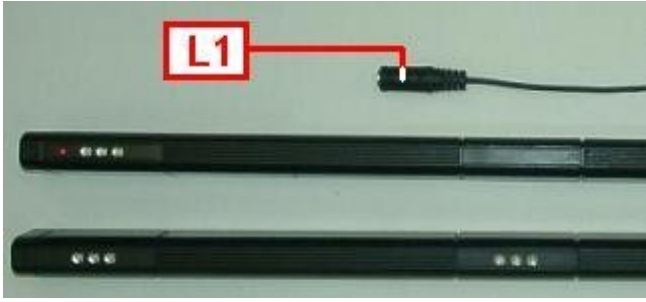
2.9 Laser Pointer switch

2.10 Laser Pointer tuner

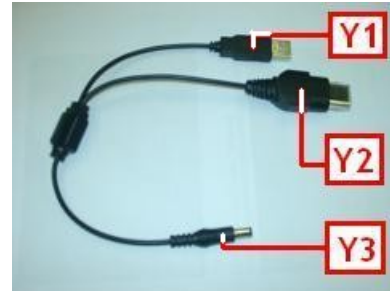


3. TopGun ports List (marked as different symbols below)

LED Stand cable



Y Shape mini cable



TopGun cable



4. Connect TopGun and cables

4.1 Single TopGun installation

4.1.1 Set the switch (X/P) below the TopGun handle to the right position: "P" for PC/PS2™/PS3™, "X" for Xbox™.

4.1.2 Connect (G1) to (G2). (Ignore this step if recoil function is not needed)

4.1.3 For PC/PS2™/PS3™, connect (G4) to USB port. For Xbox™, connect (G3) to Xbox™ joystick port.

4.1.4 For PC/PS2™/PS3™, connect (L1) to (Y3), and (Y1) to PC/PS2™/PS3™ USB port.

For Xbox™, connect (L1) to (Y3), and (Y2) to Xbox™ joystick port.

If the console is too far away from the screen, user could connect (L1) to a AC - DC power transformer instead. (not included in the package). Refer to AC - DC Transformer output requirements(4.3).

4.2 Dual TopGun installation

4.2.1 Please refer to 4.1.1, 4.1.2 and 4.1.3

4.2.2 For PS3™/PC, connect (L1) to (Y3), and (Y1) to PS3™/PC USB port.

For Xbox™, connect (L1) to (Y3), and (Y2) to Xbox™ joystick port.

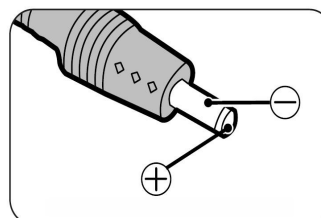
For PS2™, connect (L1) to a AC - DC power transformer. Refer to AC - DC Transformer output requirements(4.3).

If the console is too far away from the screen, user could connect (L1) to a AC - DC power transformer instead. (not included in the package). Refer to AC - DC Transformer output requirements(4.3).

- Note:**
1. No matter single TopGun or multiple TopGun installation, only one pair of LED stands is needed for a screen.
 2. For dual TopGun setup of PS2™, in case you don't want to buy an extra AC-DC transformer, you could connect (L1) to (G1) in step 4.2.2. In this way, the recoil function of that gun would be sacrificed.
 3. For the first time to install the TopGun in PC, PC would pop up a driver installation wizard.
Please refer to this guide: [http://www.hkems.com/product/xbox/completeguide\(eng\).pdf](http://www.hkems.com/product/xbox/completeguide(eng).pdf)

4.3 AC - DC Transformer output requirements

600mA or above, 5V



5. Mount the LED stands

5.1 Mount the two LED stand hooks onto the LED stand A and B. Please refer to the guide below for details:

[http://www.hkems.com/product/xbox/completeguide\(eng\).pdf](http://www.hkems.com/product/xbox/completeguide(eng).pdf)

5.2 Either mount the LED stands beside the screen as shown in figure 1, refer to 5.2.1, or mount the LED stands above and below the screen as shown in figure 2, refer to 5.2.2.

5.2.1 Mount the LED stand B on the left of the screen, and LED stand A on the right of the screen. See figure 1.

5.2.2 Mount the LED stand B below the screen, and LED stand A above the screen. See figure 2.

For this setting, TopGun could be closer to the screen. Please note that the workable distance of TopGun is always equal to 2-3 times of the distance between the two stands.

5.3 No matter single TopGun or multiple TopGun installation, only one pair of LED stands is needed for a screen.

5.4 All 5 sets of infrared LED on the LED stands are not visible, while the red LED will indicate if power is ON.

Note : 1. For screen of 60 inches or above, TopGun Blaze stand is needed to replace the LED stands comes with the package.

TopGun Blaze Stand official site: <http://www.hkems.com/product/xbox/TopGunBlazeStand.htm>

2. User could use the double sided tape provided to mount the LED stands. See TopGun packaging list (1.6).



figure 1



figure 2

6. TopGun Calibration

6.1 Note

6.1.0 Before the first time to use the TopGun, user have to calibrate the TopGun.

6.1.1 The distance between the TopGun and the screen should be 2 to 3 times of that between the two LED stands.

For screen of 14~30 inches, TopGun should be around 1.5M ~ 2M away from the screen.

For screen of 30~60 inches, TopGun should be around 2M ~ 4M away from the screen.

For screen of 60~80 inches, TopGun should be around 4M ~ 6M away from the screen.

For screen of 60 inches or above, TopGun Blaze stand is needed to replace the LED stands comes with the package.

TopGun Blaze Stand official site: <http://www.hkems.com/product/xbox/TopGunBlazeStand.htm>

6.1.2 TopGun has two mode: "normal mode" and "calibration mode".

"Calibration mode" is only for calibration process. During normal game play, TopGun should enter the "Normal mode".

User could hold button A and B for 5 to 10 sec to enter "Calibration mode".

User could quit the "calibration mode" by either finishing the calibration process or pressing START and SE/BA buttons.

During the "calibration mode", the laser pointer would light no matter where the TopGun is pointing at.

During the "normal mode", the laser pointer would light only when it is pointing at the screen (i.e. Could see the all 5 sets of infrared LEDs at the same time)

6.1.3 For PC, TopGun could not enter "Calibration mode" if the driver is not well installed.

Please refer to this guide to install the driver: [http://www.hkems.com/product/xbox/completeguide\(eng\).pdf](http://www.hkems.com/product/xbox/completeguide(eng).pdf)

6.1.4 For PS2™, PS3™ or Xbox™, please enter the game before enter the "Calibration mode".

6.1.5 If the TopGun enter "Calibration mode" automatically, and user could not quit the "Calibration mode" by pressing START and SE/BA buttons, please jump to step 6.2.4. After the calibration is finished, the gun would return to normal.

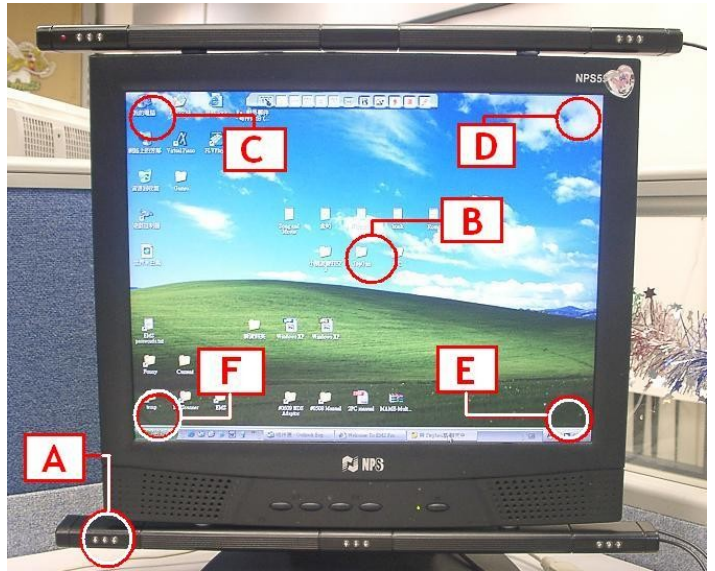
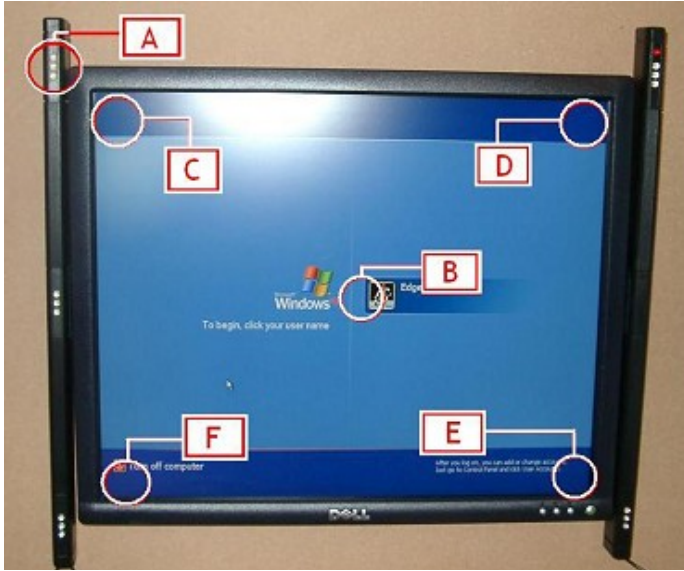
6.2 TopGun Calibration procedures

6.2.1 Turn ON the laser pointer switch. (refer to the TopGun buttons list)

6.2.2 Make sure the laser pointer lights when you aim at all corners of the screen. If the laser pointer flashes, there should be some interruption sources beside/behind where you are aiming at. (refer to 6.3.1 and 6.3.2 below) If it doesn't light, the gun may be too close to the screen. Please stand back, remove the interruption source and again.

6.2.3 Aim the TopGun at the ceiling or floor, hold A+B buttons for 5-10 sec to enter the "Calibration mode". In "Calibration mode", the laser pointer would be ON no matter where the TopGun is pointing at.

6.2.4 Shoot the following targets in this order (ABCDEF):



- I) Aim at the marked LED (i.e. point A of the above picture), press trigger. (i.e. Button D, refer to TopGun buttons list)
If it success, the laser pointer will flash and the gun will recoil for once. If it doesn't, repeat until it does.
- II) Aim at the center of the screen (i.e. point B of the above picture), press trigger. (i.e. Button D)
If it success, the laser pointer will flash and the gun will recoil for once. If it doesn't, repeat until it does.
- III) Aim at the top left corner of the screen (i.e. point C of the above picture), press trigger. (i.e. Button D)
If it success, the laser pointer will flash and the gun will recoil for once. If it doesn't, repeat until it does.
- IV) Aim at the top right corner of your screen (i.e. point D of the above picture), press trigger. (i.e. Button D)
If it success, the laser pointer will flash and the gun will recoil for once. If it doesn't, repeat until it does.
- V) Aim at the bottom right corner of your screen (i.e. point E of the above picture), press trigger. (i.e. Button D)
If it success, the laser pointer will flash and the gun will recoil for once. If it doesn't, repeat until it does.
- VI) Aim at the bottom left corner of your screen (i.e. point F of the above picture), press trigger. (i.e. Button D)
If it success, the laser pointer will flash and the gun will recoil for once. If it doesn't, repeat until it does.
- VII) After success in (VI) it would quit the calibration mode automatically, and you could use the gun now.

6.3 Warning:

6.3.1 Any infrared sources (Sun light or yellow light or any heat source) may interrupt the EMS TopGun System. The laser pointer will keep flashing to indicate that. Please make sure that no infrared sources are beside or behind the screen.

6.3.2 The reflect image of the infrared LEDs may interrupt the EMS TopGun System, and the pointer will keep flashing to indicate that. To solve this problem, a cloth could be placed on those smooth surfaces to prevent reflection.

6.3.3 The laser pointer is harmful for eyes, don't aim at anyone else.