

Antenna numbers

Myfirstp3 · Oct 16, 2017

REPLY

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Myfirstp3



Joined: Mar 12, 2...
Messages: 52
Reaction score: 3
Age: 54
Location: Northa...

Oct 16, 2017

Share Bookmark #1

Hi all i did a very silly thing i put new antennas on p3a but i didnt take notice of how they connect i see numbers on the board but i dont know where number 1 starts at. Any ideas. Thnx in advanced

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ROD PAINTER

Joined: Dec 12, 2...
Messages: 425
Reaction score: 180
Age: 74

Oct 16, 2017

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Are you talking about the AC or the remote?

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Myfirstp3



Joined: Mar 12, 2...
Messages: 52
Reaction score: 3
Age: 54
Location: Northa...

ROD PAINTER said: ↩

Are you talking about the AC or the remote?

The ac

Report

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quaddamage

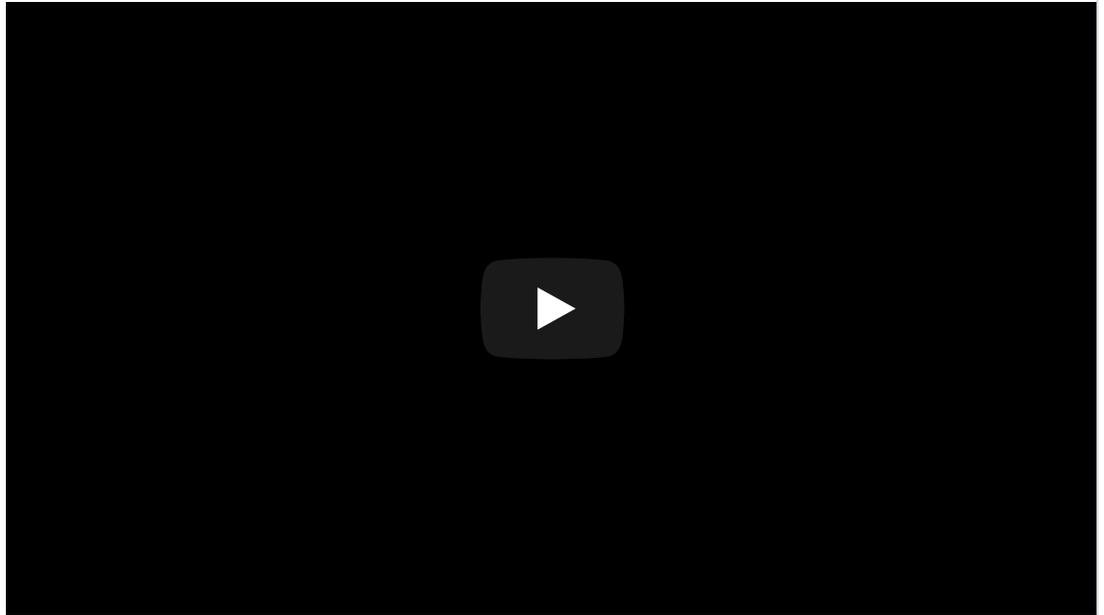
Joined: Jun 30, 2...
Messages: 1,298
Reaction score: 542
Location: PL

Oct 17, 2017

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I always put tapes with numbers on them around each cable, so I don't know the order. I don't have to know.

Try looking at teardown videos, like this one:



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Oct 17, 2017

Share Bookmark #5



Oso

Premium Pilot

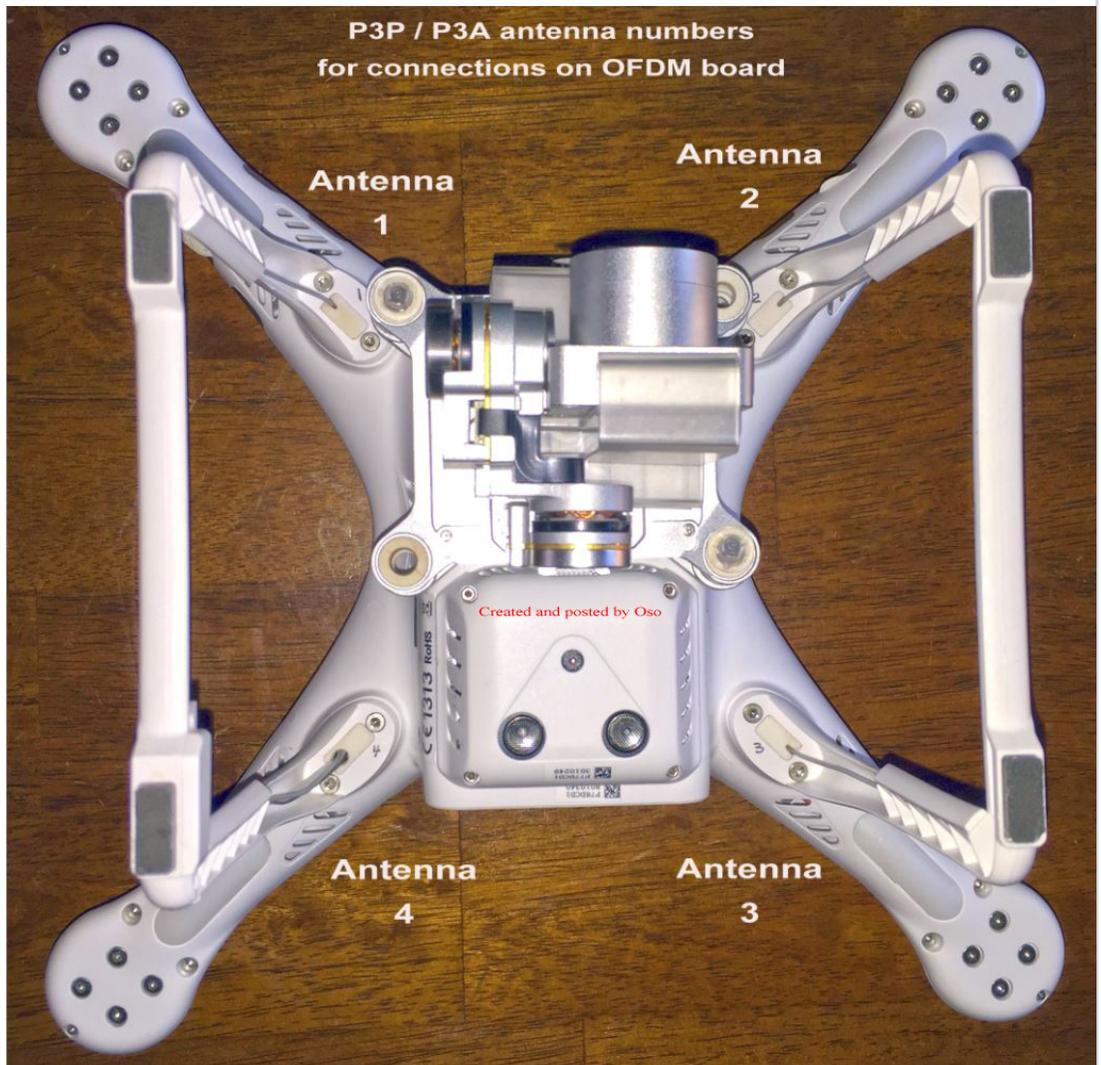
Joined: May 19, 2...
Messages: 4,760
Reaction score: 3,...
Location: Western...

Myfirstp3 said: 5

Hi all i did a very silly thing i put new antennas on p3a but i didnt take notice of how they connect i see numbers on the board but i dont know where number 1 starts at. Any ideas. Thnx in advanced

Here you go sir. This should make it easier for you.

This photo identifies the antenna numbers corresponding to the numbers on the OFDM board on a P3P or a P3A. Cheers.



P3P (W323A): v1.4.1 | RC (GL300B): v1.3.2
P3A (W322): v1.6.4 | RC (GL300A): v1.5.7
DJI GO: v2.4.2 (32 channels) | iPad Air 2: iOS 9.3.5

 **JoBe, hms and quaddamage**

 Report

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K Supertramp

Joined: Apr 10, 20...
Messages: 15
Reaction score: 2
Age: 52

Apr 11, 2018

  #6

Does the orientation of the antennas make a difference in the flight? Would a mixup of the OFDM connectors have any ill effect to the drones flight?

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N017RW

Premium Pilot

Joined: May 2, 2014
Messages: 8,961
Reaction score: 3,000
Location: Palm Be...

Apr 11, 2018

  #7

So long as they remain vertical there would be no issue.
Keep in mind their orientation, with respect to the controller, is constantly changing during flight.

"You can't be a real country unless you have a beer and an airline. It helps if you have some kind of a football team, or some nuclear weapons, but at the very least you need a beer."

Frank Zappa 1940-1993

 Report

 Like

 Reply



quaddamage

Joined: Jun 30, 2...
Messages: 1,298
Reaction score: 542
Location: PL

Apr 11, 2018

🔗 📄 #8

K Supertramp said: ↩

Does the orientation of the antennas make a difference in the flight?

Yes. Antennas need to face proper direction and as **@N017RW** said, be vertical.

K Supertramp said: ↩

Would a mixup of the OFDM connectors have any ill effect to the drones flight?

Yes. The drone does not have 4 separate transceiver channels, it only has 2. It switches between used antennas during flight.

You will have reduced range and signal loss depending on drone rotation.

👍 **Mark The Droner**

🚩 Report

👍 Like

↩ Reply



K Supertramp

Joined: Apr 10, 20...
Messages: 15
Reaction score: 2
Age: 52

Apr 11, 2018

🔗 📌 #9

quaddamage said: ↻

Yes. Antennas need to face proper direction and as @N017RW said, be vertical.

Yes. The drone does not have 4 separate transceiver channels, it only has 2. It switches between used antennas during flight.

You will have reduced range and signal loss depending on drone rotation.

I was wondering if it was orientation specific like the gps uses satellite position I guess if the wires were on the wrong posts on the board then it would not cause a stability issue? The drone seems to drift when hovering sometimes 10' in any one direction! Even with it in GPS mode (12 plus satellites locked) almost like it's in attitude mode! I ordered new props to see if it helps? Unless it has a weak motor that's causing the drift?

🚩 Report

👍 Like

↩ Reply



K Supertramp

Joined: Apr 10, 20...
Messages: 15
Reaction score: 2
Age: 52

Apr 11, 2018

🔗 📌 #10

quaddamage said: ↻

I always put tapes with numbers on them around each cable, so I don't know the order. I don't have to know.

Try looking at teardown videos, like this one:



Click to expand...

I They never seem to mark the antenna leads this guy pulled the downward sensor off intact by pulling the wires through the shell still attached to the board, Someone posted the correct wire position thanks

🚩 Report

👍 Like

↩ Reply



quaddamage

Joined: Jun 30, 2...
Messages: 1,298
Reaction score: 542
Location: PL

Apr 11, 2018

🔗 📌 #11

K Supertramp said: ↩

if the wires were on the wrong posts on the board then it would not cause a stability issue?

No, only reduced RC signal.

🚩 Report

👍 Like

↩ Reply



RunningWithScissors

Joined: Aug 19, 2...
Messages: 1,071
Reaction score: 6...
Location: New York

Apr 11, 2018

🔗 📌 #12

Oso said: ↩

Here you go sir. This should make it easier for you.
This photo identifies the antenna numbers corresponding to the numbers on the OFDM board on a P3P or a P3A. Cheers.

Very nicely done, Oso.

👍 Oso

🚩 Report

👍 Like

↩ Reply



B *I* ≡ ⋮ ≡ ≡ P ↻ 📎 ⋮ ↶ ⋮



Write your reply...

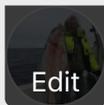
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KachemakDiver

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