

## Two computers arrangement for the EasyPal with HamSphere

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As you know, there are too many kinds of computers which we are able to use for hobby as EasyPal with HamSphere over the internet.

Further, those computers have their own characteristics on a combinational circuit of the “Sound Card” and it CPU.

Generally, the “Sound Card” dose work for both of EasyPal and HamSphere as a common resource when we run both of EasyPal and HamSphere on the one(1) computer with one(1) sound card at same time. This setup gives us, some time, problem to exchange a picture over HamSphere.

### My experience on this setup are as follows;

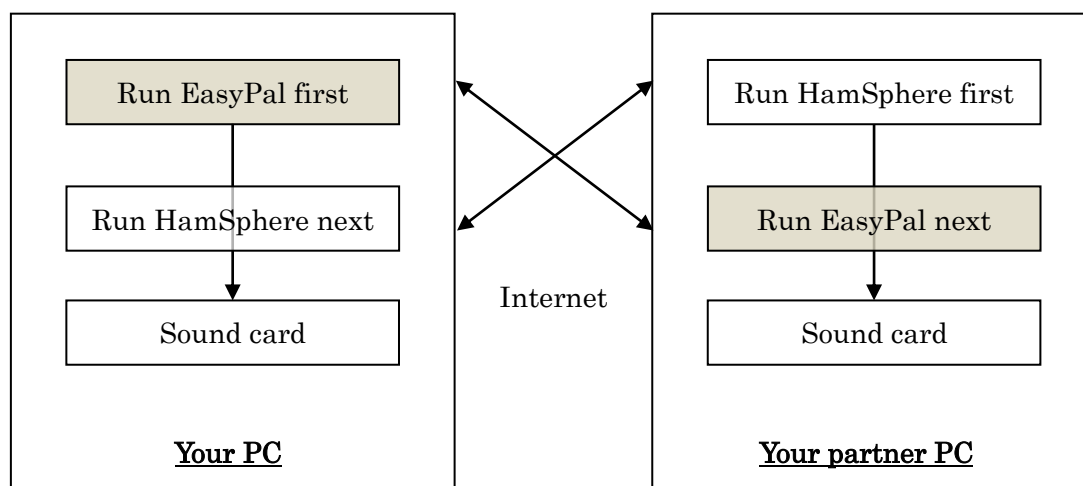
- ① There is systematic order to run EasyPal and HamSphere at start.

How are you doing at start?

Do you run EasyPal first then HamSphere, or run HamSphere first then EasyPal?

Generally, if you are able to receive the picture from your partner then you run EasyPal first and HamSphere next, and your partner runs HamSphere first and EasyPal next as Fig.1.

This combination is the best for both of you and your partner.



**Fig.1 Best combination between two stations**

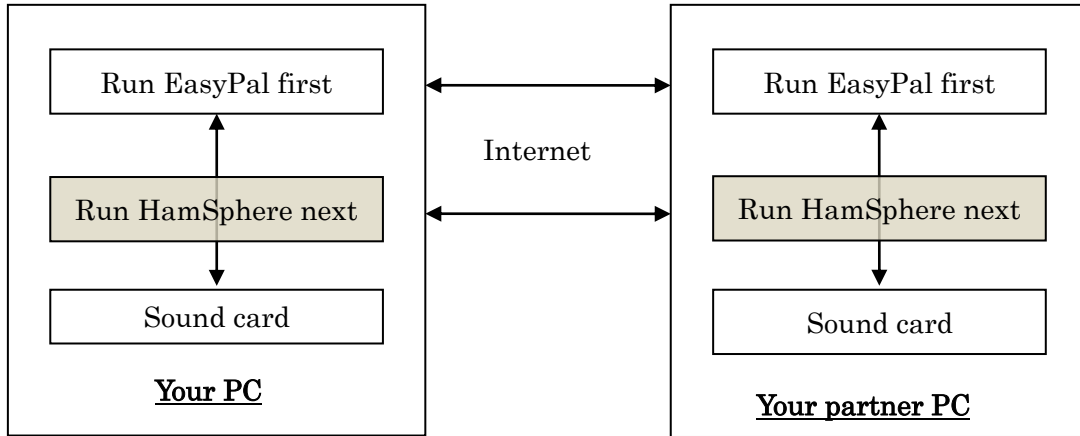
- ② If you are not able to receive the picture from your partner then both of you and your partner doing same setup at start as Fig.2.

This is meaning that both of you and your partner run EasyPal(or HamSphere) first and HamSphere (or EasyPal) next.

In this case, you or your partner should shut both of EasyPal and/or HamSphere

down at once.

**After that, you or your partner should reboot them on the contrary as Fig.1.**



**Fig.2 Bad combination between two stations**

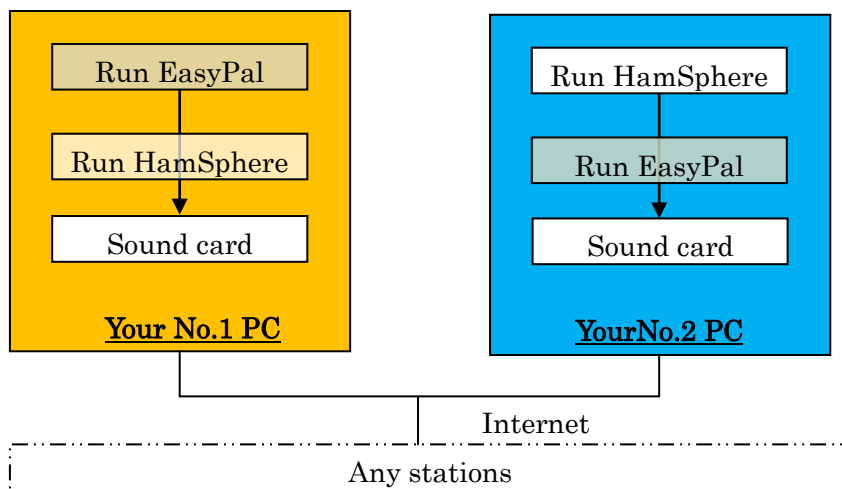
**My idea of two computers arrangement for the EasyPal with HamSphere**

① **Very easy way**

If you have two computers and you can connect both of two computers into the internet then a problem mentioned above is solved immediately.

You may run HamSphere first and EasyPal next at your No.1 PC computer then you may run EasyPal first and HamSphere next at your No.2 PC as Fig.3.

You need two your own callsign for this arrangement but if you have two e-mail address then you are able to get two callsign for the HamSphere.



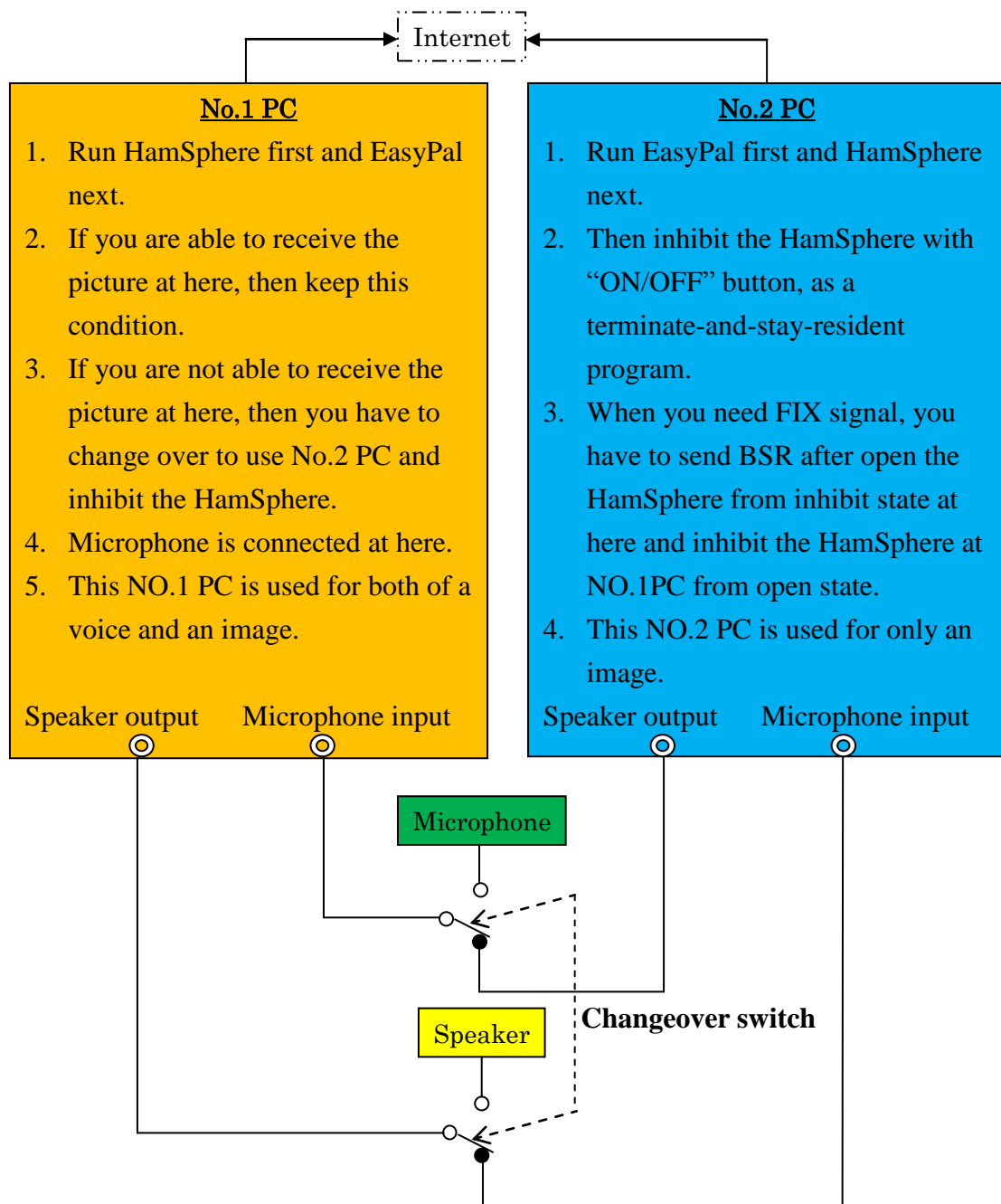
**Fig.3 A conceptual diagram for two callsign**

## ② Complicated way

If you are not able to get two callsign for the HamSphere then you have to take different way as follows.

### Preparation

1. Connect speaker output of No.1 PC to microphone input of No.2 PC.
2. Connect speaker output of No.2 PC to microphone input of No.1 PC.
3. Fig.4 is showing the state of receipt of image.



**Fig.4 A conceptual diagram for one callsign**

### **Put both of two PC in order**

1. Run HamSphere first and EasyPal next at No.1 PC.
2. Run EasyPal first and HamSphere next at No.2 PC.
3. Then inhibit the HamSphere with “ON/OFF” button at No.2 PC.  
This action dose not meaning shut down of the HamSphere.  
The HamSphere is still working as a terminate-and-stay-resident program.  
This process is very important for this two computer operation of EasyPal over HamSphere.
4. Then, in appearance, only EasyPal is running at No.2 PC.
5. At No1 PC, both of HamSphere and EasyPal are running and keep this running condition during your QSO.
6. Then, you are going to be able to receive two kinds of image signal at same time.  
If you receive perfect picture or need FIX signal at No.1 PC then your partner runs EasyPal first. If you need FIX signal at this time then you are able to send BSR in that condition from the No.1 PC.
7. Beside, if you receive perfect picture or BSR at the No.2 PC then your partner runs HamSphere first. If you need FIX signal at this time then you are able to send BSR from the No.2 PC after open the HamSphere form inhibit state at the No.2 PC and inhibit the HamSphere at No.1 PC.
8. When you complete picture with BSR and FIX signal at the No.2 PC, you have to inhibit the HamSphere again at the No.2 PC and open the HamSphere again at No.1 PC.
9. When you are able to receive the picture at No.2 PC, repeat a process, paragraph 7 and 8 during your QSO.
10. The No.1 PC is used for both of a voice and an image and the No.2 PC is used for only an image.

### **Summary of complicated way**

- ① Connection between two computer → ②Put both of two PC in order →  
③ No1.PC works as like as transceiver for real radio → ④Some time you are able to receive the picture with No1.PC and some time with No.2 PC → ⑤It is up to your partner → ⑥Many operation process → ⑦Selection of “Microphone” and “Stereo Mix” of sound card at both of No.1 PC and No.2 PC → ⑧Change of change over switch → ⑨Preparation of the image → ⑩Complicated

### How to use sound card at No.1PC

When you talk to your partner, select “Microphone” at “Recording control” of sound card as Fig.5.

When you send the picture, select “Stereo Mix” at “Recording control” of sound card as Fig.6.



Fig.5



Fig.6

### How to use sound card at No.2 PC

When you receive the picture, select “Microphone” at “Recording control” of sound card as Fig.5.

When you send the picture, select “Stereo Mix” at “Recording control” of sound card as Fig.6.

As I mentioned above, you do not need use of a voice at No.2 PC and you receive the image signal from No.1 PC (From speaker output of No.1 PC to Microphone input of No.2 PC). When you send the picture from No.2 PC, the image signal should be sent directly with the HamSphere at No.2 PC.

- See the Fig.7 and Fig.8 on next page for your reference.
- Refer to both of PDF files as “My experience about EasyPal with HamSphere for the Windows XP” and “Adjustment of the sound card for the EasyPal with HamSphere” as well.

(You are able to find those PDF files at my web site as follow.)

<http://homepage3.nifty.com/jo3kls/>

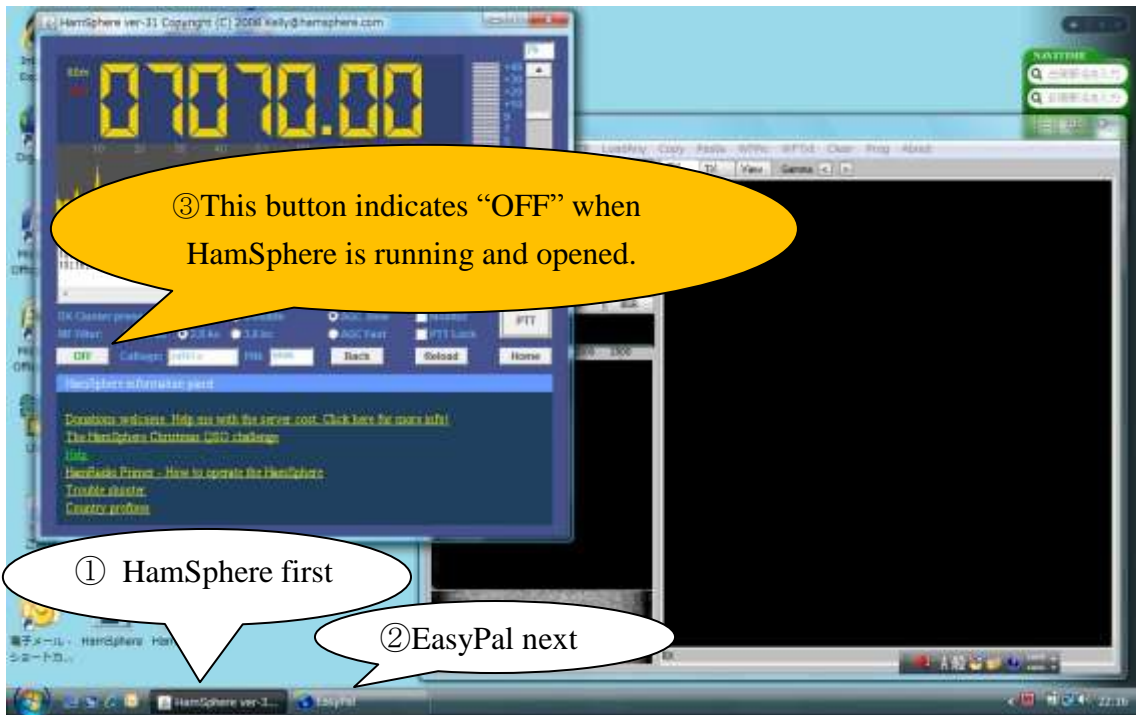


Fig.7 Run HamSphere first and EasyPal next at No.1 PC

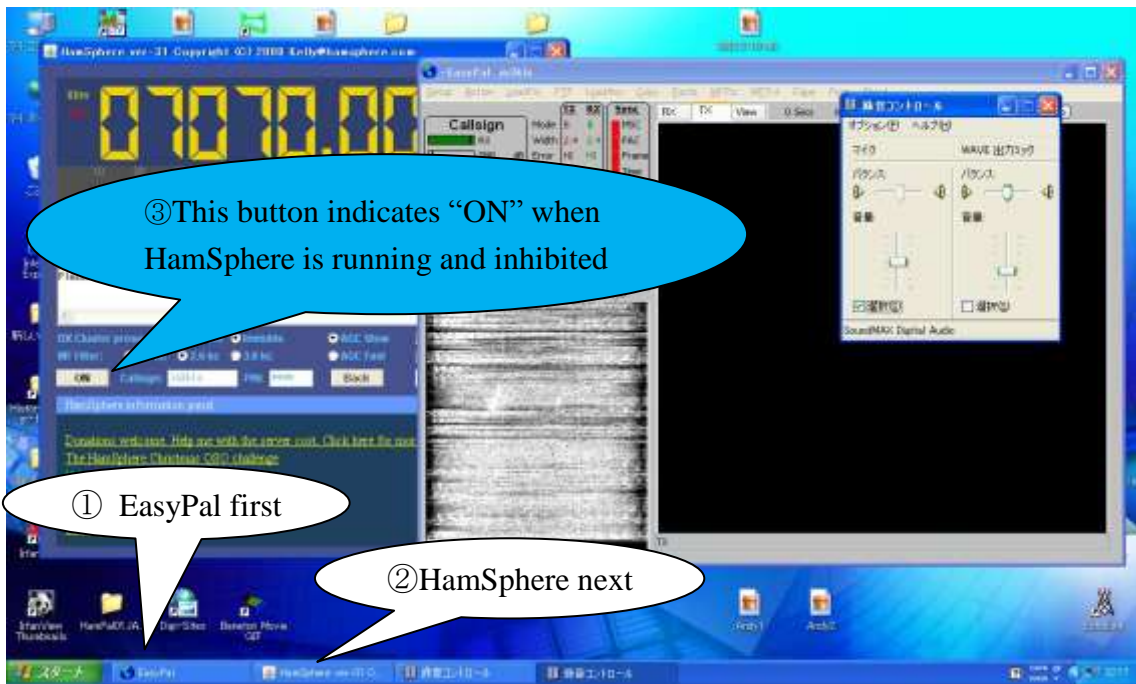


Fig.8 Run EasyPal first and HamSphere next at No.2 PC

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