

CLAIMS

1. An interface device comprising:
an interface to a host computer;
a wireless interface to a peripheral device;
a difference determination circuit configured to determine a difference between timeslots in the host computer and time slots in the peripheral device; and
a notification circuit configured to notify the peripheral device about the difference if the determined difference is larger than a pre-determined threshold.
2. The interface device of claim 1,
wherein the interface comprises a universal serial bus interface.
3. The interface device of claim 1,
wherein the difference determination circuit is further configured to determine the difference upon a power up of the interface device.
4. The interface device of claim 1,
wherein the notification circuit is configured to notify the peripheral device about the difference upon a power up of the interface device.
5. The interface device of claim 1,
wherein the pre-determined threshold is based on the timeslots in the host computer.
6. The interface device of claim 1,
wherein the pre-determined threshold is based on the timeslots in the peripheral device.

7. The interface device of claim 1,
wherein the pre-determined threshold is in a range of 10 ppm to 50 ppm.
8. The interface device of claim 1,
wherein the difference determination circuit is configured to determine the difference based on a start of frame signal.
9. The interface device of claim 1,
wherein the interface device comprises a universal serial bus dongle.
10. The interface device of claim 1,
wherein the peripheral device comprises a cordless mouse.
11. A method for controlling an interface device, the method comprising:
providing an interface to a host computer;
providing a wireless interface to a peripheral device;
determining a difference between timeslots in the host computer and time slots in the peripheral device; and
notifying the peripheral device about the difference if the determined difference is larger than a pre-determined threshold.
12. The method of claim 11,
wherein the interface comprises a universal serial bus interface.
13. The method of claim 11,
wherein the difference is determined upon a power up of the interface device.
14. The method of claim 11, further comprising:
notifying the peripheral device about the difference upon a power up of the interface device.

15. The method of claim 11,
wherein the pre-determined threshold is based on the timeslots in the host computer.
16. The method of claim 11,
wherein the pre-determined threshold is based on the timeslots in the peripheral device.
17. The method of claim 11,
wherein the pre-determined threshold is in a range of 10 ppm to 50 ppm.
18. The method of claim 11,
wherein the difference is determined based on a start of frame signal.
19. The method of claim 11,
wherein the interface device comprises a universal serial bus dongle.
20. The method of claim 11,
wherein the peripheral device comprises a cordless mouse.
21. A computer-readable medium comprising instructions which, when executed by a computer, make the computer perform a method for controlling an interface device, the method comprising:
 - providing an interface to a host computer;
 - providing a wireless interface to a peripheral device;
 - determining a difference between timeslots in the host computer and time slots in the peripheral device; and
 - notifying the peripheral device about the difference if the determined difference is larger than a pre-determined threshold.

22. The computer-readable medium of claim 21,
wherein the interface comprises a universal serial bus interface.
23. The computer-readable medium of claim 21,
wherein the difference is determined upon a power up of the interface device.
24. The computer-readable medium of claim 21, further comprising instructions
which, when executed by a computer, make the computer perform:
notifying the peripheral device about the difference upon a power up of the
interface device.
25. The computer-readable medium of claim 21,
wherein the pre-determined threshold is based on the timeslots in the host
computer.
26. The computer-readable medium of claim 21,
wherein the pre-determined threshold is based on the timeslots in the peripheral
device.
27. The computer-readable medium of claim 21,
wherein the pre-determined threshold is in a range of 10 ppm to 50 ppm.
28. The computer-readable medium of claim 21,
wherein the difference is determined based on a start of frame signal.
29. The computer-readable medium of claim 21,
wherein the interface device comprises a universal serial bus dongle.
30. The computer-readable medium of claim 21,

wherein the peripheral device comprises a cordless mouse.