

TOUCHSCREEN CONROLLER FOR MULTIMEDIA DEVICES UPS1



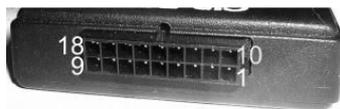
Functional purpose:

This device ensures the transfer of touched Pioneer, Apline or Kenwood points to one of navigation devices such as GVN53, Phantom, LM7200.

Advantages:

- Automatic identification of multimedia head device which is used;
- Automatic identification of navigation device type (GVN53, Phantom, LM7200) which is used.
- Displaying the current condition by two LEDs
- Built-in system interface
- All the necessary sockets and wires for connection
- Power consumption- 20 mA
- Size 40x50x19 mm

SOCKET AND CONTACTS:



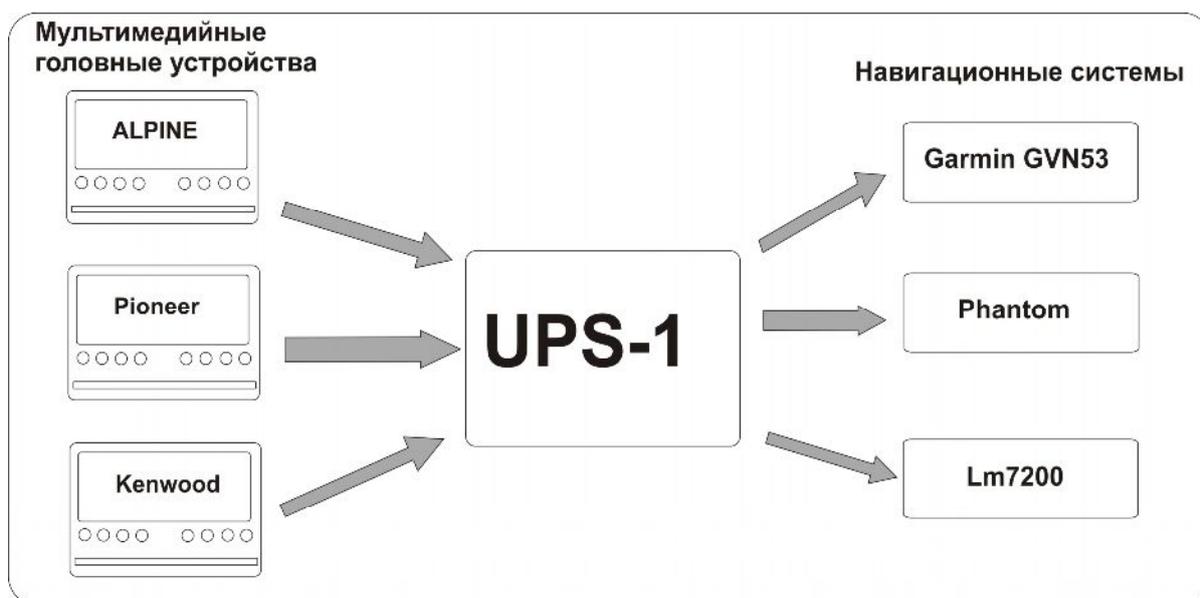
Picture 1. Controller UPS-1 socket.

The arrangement of controller socket contacts is shown on the picture 1.

- Contact 2. TX is connected from the multimedia device;
- Contact 7. ALPINE DISPLAY (connect to ALPINE contact 10);
- Contact 6. TX is connected from the navigation device;
- Contact 8. SYS- (system interface);
- Contact 9. SYS+ (system interface);
- Contact 10. LED HEAD(external mount). Shines during the head type identification done (plus is here, minus to GND);
- Contact 11. LED NAVI(external mount). Shines during the navigation device type identification done (plus is here, minus to GND);
- Contact 12. MUTE- (MUTE signal from the navigation device);
- Contact 13. CLEAR. Intended for adjustment nulling (+12V should be given);
- Contact 14. ALPINE PULLUP (connect to HEAD TX-contact 2);
- Contact 15. RX from the navigation device is connected;
- Contact 16. TX from the multimedia device is connected;
- Contact 17. «ACC» power +12V;
- Contact 18. Controller «mass»

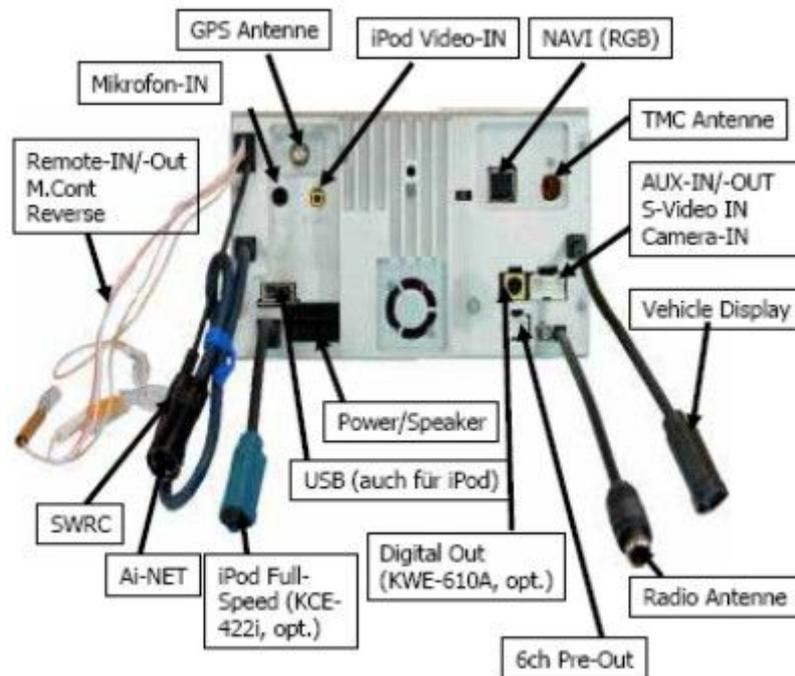
Note 1: contact 2 and contact 14 should be connected.

Note 2: contacts 1,3,4,5 aren't used.



Picture 2. All the possible ways to connect multimedia devices and navigation systems with the help of UPS-1 controller.

UPS-1 controller connection to the Alpine multimedia head



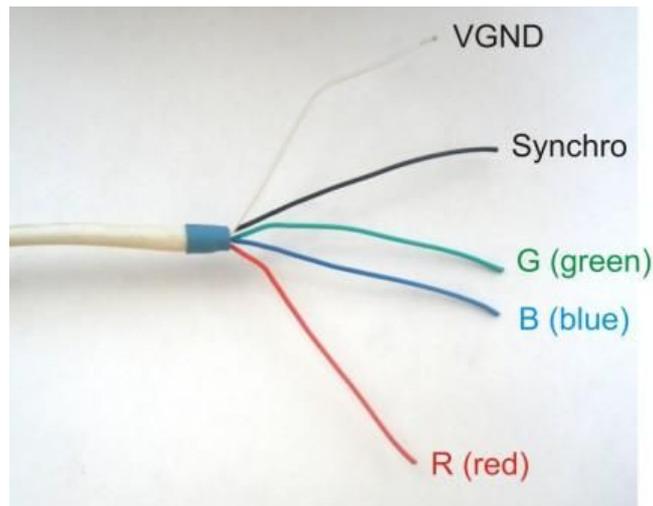
Picture 3. Alpine IVA-**W505R**. The look from the side of sockets connection.

1. Connect navigation RGB cable KWE-601N into the socket «Navi (RGB)» of the multimedia device ALPINE (picture 3)



Picture 4. Navigation RGB cable Alpine KWE-601N

2. Connect RGB cable Alpine KWE-601N lines to RGB navigation system lines



Picture 5. Connection RGB lines

3. Connect RX and TX lines from the navigation device to contact 6 (TX) and contact 15 (RX)-picture 1.
4. Connect the power: Contact 17- «ACC» power line +12V, contact 18-controller «mass» power line.
5. After giving the power LED HEAD and LED NAVI must shine to confirm that UPS-1 controller recognized the connected multimedia device and navigation system.
6. If one of the LEDs doesn't shine or there's no control of the navigation system by the touchscreen, adjustment nulling must be done. To do this, give +12V to contact 13 of UPS-1 controller (picture 1) during 5 seconds.
After that the controller should automatic identify the multimedia device and navigation unit.