

проводной джойстик — [https://ru.aliexpress.com/item/High-Quality-HOT-SALE-Wired-USB-Gamepad-Gaming-Game-Controller-Joystick-Control-for-PC-Computer-](https://ru.aliexpress.com/item/High-Quality-HOT-SALE-Wired-USB-Gamepad-Gaming-Game-Controller-Joystick-Control-for-PC-Computer-Professional/32789510746.html?spm=2114.03010208.3.164.2PbTWy&ws_ab_test=searchweb0_0.searchweb201602_5_10152_10065_10151_10068_5210018_10301_10136_10137_10060_10155_10062_437_10154_10056_10055_10054_5340018_10059_303_100031_10099_5290018_10103_10102_10096_10169_10052_5350018_10053_10142_10107_10050_5320018_10051_5270018_5280011_10084_5250018_10083_10119_10080_10082_10081_5240018_5230018_10110_519_10111_10112_10113_10114_10182_10078_10079_10073_5260017_10123_10120_10189_10127_142_10125-10120.searchweb201603_2.ppcSwitch_4&btid=13a13227-c0b5-44b2-902b-172cd475ba6&algo_expid=8d5378ec-ee97-471e-89eb-25e005e1be0f-20&algo_pvid=8d5378ec-ee97-471e-89eb-25e005e1be0f)

[Professional/32789510746.html?spm=2114.03010208.3.164.2PbTWy&ws_ab_test=searchweb0_0.searchweb201602_5_10152_10065_10151_10068_5210018_10301_10136_10137_10060_10155_10062_437_10154_10056_10055_10054_5340018_10059_303_100031_10099_5290018_10103_10102_10096_10169_10052_5350018_10053_10142_10107_10050_5320018_10051_5270018_5280011_10084_5250018_10083_10119_10080_10082_10081_5240018_5230018_10110_519_10111_10112_10113_10114_10182_10078_10079_10073_5260017_10123_10120_10189_10127_142_10125-10120.searchweb201603_2.ppcSwitch_4&btid=13a13227-c0b5-44b2-902b-172cd475ba6&algo_expid=8d5378ec-ee97-471e-89eb-25e005e1be0f-20&algo_pvid=8d5378ec-ee97-471e-89eb-25e005e1be0f](https://ru.aliexpress.com/item/High-Quality-HOT-SALE-Wired-USB-Gamepad-Gaming-Game-Controller-Joystick-Control-for-PC-Computer-Professional/32789510746.html?spm=2114.03010208.3.164.2PbTWy&ws_ab_test=searchweb0_0.searchweb201602_5_10152_10065_10151_10068_5210018_10301_10136_10137_10060_10155_10062_437_10154_10056_10055_10054_5340018_10059_303_100031_10099_5290018_10103_10102_10096_10169_10052_5350018_10053_10142_10107_10050_5320018_10051_5270018_5280011_10084_5250018_10083_10119_10080_10082_10081_5240018_5230018_10110_519_10111_10112_10113_10114_10182_10078_10079_10073_5260017_10123_10120_10189_10127_142_10125-10120.searchweb201603_2.ppcSwitch_4&btid=13a13227-c0b5-44b2-902b-172cd475ba6&algo_expid=8d5378ec-ee97-471e-89eb-25e005e1be0f-20&algo_pvid=8d5378ec-ee97-471e-89eb-25e005e1be0f)

эзернет шилд — [https://ru.aliexpress.com/item/1pcs-Arduino-Shield-Ethernet-Shield-W5100-R3-UNO-Mega-2560-1280-328-UNR-R3-W5100-](https://ru.aliexpress.com/item/1pcs-Arduino-Shield-Ethernet-Shield-W5100-R3-UNO-Mega-2560-1280-328-UNR-R3-W5100-Development/32709442003.html?spm=2114.03010208.3.1.ox5eFo&ws_ab_test=searchweb0_0.searchweb201602_5_10152_10065_10151_10068_5210018_10301_10136_10137_10060_10155_10062_437_10154_10056_10055_10054_5340018_10059_303_100031_10099_5290018_10103_10102_10096_10169_10052_5350018_10053_10142_10107_10050_5320018_10051_5270018_5280011_10084_5250018_10083_10119_10080_10082_10081_5240018_5230018_10110_519_10111_10112_10113_10114_10182_10078_10079_10073_5260017_10123_10120_10189_10127_142_10125-10120.searchweb201603_2.ppcSwitch_4&btid=0037ba95-1718-4c2b-bf57-41c6e5bce867&algo_expid=95c1baf6-7892-4fec-a27e-120589934dbd-0&algo_pvid=95c1baf6-7892-4fec-a27e-120589934dbd)

[Development/32709442003.html?spm=2114.03010208.3.1.ox5eFo&ws_ab_test=searchweb0_0.searchweb201602_5_10152_10065_10151_10068_5210018_10301_10136_10137_10060_10155_10062_437_10154_10056_10055_10054_5340018_10059_303_100031_10099_5290018_10103_10102_10096_10169_10052_5350018_10053_10142_10107_10050_5320018_10051_5270018_5280011_10084_5250018_10083_10119_10080_10082_10081_5240018_5230018_10110_519_10111_10112_10113_10114_10182_10078_10079_10073_5260017_10123_10120_10189_10127_142_10125-10120.searchweb201603_2.ppcSwitch_4&btid=0037ba95-1718-4c2b-bf57-41c6e5bce867&algo_expid=95c1baf6-7892-4fec-a27e-120589934dbd-0&algo_pvid=95c1baf6-7892-4fec-a27e-120589934dbd](https://ru.aliexpress.com/item/1pcs-Arduino-Shield-Ethernet-Shield-W5100-R3-UNO-Mega-2560-1280-328-UNR-R3-W5100-Development/32709442003.html?spm=2114.03010208.3.1.ox5eFo&ws_ab_test=searchweb0_0.searchweb201602_5_10152_10065_10151_10068_5210018_10301_10136_10137_10060_10155_10062_437_10154_10056_10055_10054_5340018_10059_303_100031_10099_5290018_10103_10102_10096_10169_10052_5350018_10053_10142_10107_10050_5320018_10051_5270018_5280011_10084_5250018_10083_10119_10080_10082_10081_5240018_5230018_10110_519_10111_10112_10113_10114_10182_10078_10079_10073_5260017_10123_10120_10189_10127_142_10125-10120.searchweb201603_2.ppcSwitch_4&btid=0037ba95-1718-4c2b-bf57-41c6e5bce867&algo_expid=95c1baf6-7892-4fec-a27e-120589934dbd-0&algo_pvid=95c1baf6-7892-4fec-a27e-120589934dbd)

ардуино - [https://ru.aliexpress.com/item/1pcs-UNO-R3-CH340G-MEGA328P-for-Arduino-UNO-R3-NO-USB-](https://ru.aliexpress.com/item/1pcs-UNO-R3-CH340G-MEGA328P-for-Arduino-UNO-R3-NO-USB-CABLE/32556087234.html?spm=2114.03010208.3.1.9WUExr&ws_ab_test=searchweb0_0.searchweb201602_5_10152_10065_10151_10068_5210018_10301_10136_10137_10060_10155_10062_437_10154_10056_10055_10054_5340018_10059_303_100031_10099_5290018_10103_10102_10096_10169_10052_5350018_10053_10142_10107_10050_5320018_10051_5270018_5280011_10084_5250018_10083_10119_10080_10082_10081_5240018_5230018_10110_519_10111_10112_10113_10114_10182_10078_10079_10073_5260017_10123_10120_10189_10127_142_10125-10120.searchweb201603_2.ppcSwitch_4&btid=277dc891-98c7-4824-9aeb-c9fadff64ef4&algo_expid=60f7a97c-fe37-4653-bdb9-890a00483c2c-0&algo_pvid=60f7a97c-fe37-4653-bdb9-890a00483c2c)

[CABLE/32556087234.html?spm=2114.03010208.3.1.9WUExr&ws_ab_test=searchweb0_0.searchweb201602_5_10152_10065_10151_10068_5210018_10301_10136_10137_10060_10155_10062_437_10154_10056_10055_10054_5340018_10059_303_100031_10099_5290018_10103_10102_10096_10169_10052_5350018_10053_10142_10107_10050_5320018_10051_5270018_5280011_10084_5250018_10083_10119_10080_10082_10081_5240018_5230018_10110_519_10111_10112_10113_10114_10182_10078_10079_10073_5260017_10123_10120_10189_10127_142_10125-10120.searchweb201603_2.ppcSwitch_4&btid=277dc891-98c7-4824-9aeb-c9fadff64ef4&algo_expid=60f7a97c-fe37-4653-bdb9-890a00483c2c-0&algo_pvid=60f7a97c-fe37-4653-bdb9-890a00483c2c](https://ru.aliexpress.com/item/1pcs-UNO-R3-CH340G-MEGA328P-for-Arduino-UNO-R3-NO-USB-CABLE/32556087234.html?spm=2114.03010208.3.1.9WUExr&ws_ab_test=searchweb0_0.searchweb201602_5_10152_10065_10151_10068_5210018_10301_10136_10137_10060_10155_10062_437_10154_10056_10055_10054_5340018_10059_303_100031_10099_5290018_10103_10102_10096_10169_10052_5350018_10053_10142_10107_10050_5320018_10051_5270018_5280011_10084_5250018_10083_10119_10080_10082_10081_5240018_5230018_10110_519_10111_10112_10113_10114_10182_10078_10079_10073_5260017_10123_10120_10189_10127_142_10125-10120.searchweb201603_2.ppcSwitch_4&btid=277dc891-98c7-4824-9aeb-c9fadff64ef4&algo_expid=60f7a97c-fe37-4653-bdb9-890a00483c2c-0&algo_pvid=60f7a97c-fe37-4653-bdb9-890a00483c2c)

реле - [https://ru.aliexpress.com/item/5V-4-Channel-Relay-Module-Shield-for-Arduino-ARM-PIC-AVR-DSP-Electronic-SV-4-](https://ru.aliexpress.com/item/5V-4-Channel-Relay-Module-Shield-for-Arduino-ARM-PIC-AVR-DSP-Electronic-SV-4-Channel/32725782884.html?spm=2114.03010208.3.9.FUpe24&ws_ab_test=searchweb0_0.searchweb201602_5_10152_10065_10151_10068_5210018_10301_10136_10137_10060_10155_10062_437_10154_10056_10055_10054_5340018_10059_303_100031_10099_5290018_10103_10102_10096_10169_10052_5350018_10053_10142_10107_10050_5320018_10051_5270018_5280011_10084_5250018_10083_10119_10080_10082_10081_5240018_5230018_10110_519_10111_10112_10113_10114_10182_10078_10079_10073_5260017_10123_10120_10189_10127_142_10125-10120.searchweb201603_2.ppcSwitch_4&btid=fed2c43d-ad08-4737-9075-3f657d2cd25a&algo_expid=270c3312-5172-4286-88a8-b82ab572b4dd-1&algo_pvid=270c3312-5172-4286-88a8-b82ab572b4dd)

[Channel/32725782884.html?spm=2114.03010208.3.9.FUpe24&ws_ab_test=searchweb0_0.searchweb201602_5_10152_10065_10151_10068_5210018_10301_10136_10137_10060_10155_10062_437_10154_10056_10055_10054_5340018_10059_303_100031_10099_5290018_10103_10102_10096_10169_10052_5350018_10053_10142_10107_10050_5320018_10051_5270018_5280011_10084_5250018_10083_10119_10080_10082_10081_5240018_5230018_10110_519_10111_10112_10113_10114_10182_10078_10079_10073_5260017_10123_10120_10189_10127_142_10125-10120.searchweb201603_2.ppcSwitch_4&btid=fed2c43d-ad08-4737-9075-3f657d2cd25a&algo_expid=270c3312-5172-4286-88a8-b82ab572b4dd-1&algo_pvid=270c3312-5172-4286-88a8-b82ab572b4dd](https://ru.aliexpress.com/item/5V-4-Channel-Relay-Module-Shield-for-Arduino-ARM-PIC-AVR-DSP-Electronic-SV-4-Channel/32725782884.html?spm=2114.03010208.3.9.FUpe24&ws_ab_test=searchweb0_0.searchweb201602_5_10152_10065_10151_10068_5210018_10301_10136_10137_10060_10155_10062_437_10154_10056_10055_10054_5340018_10059_303_100031_10099_5290018_10103_10102_10096_10169_10052_5350018_10053_10142_10107_10050_5320018_10051_5270018_5280011_10084_5250018_10083_10119_10080_10082_10081_5240018_5230018_10110_519_10111_10112_10113_10114_10182_10078_10079_10073_5260017_10123_10120_10189_10127_142_10125-10120.searchweb201603_2.ppcSwitch_4&btid=fed2c43d-ad08-4737-9075-3f657d2cd25a&algo_expid=270c3312-5172-4286-88a8-b82ab572b4dd-1&algo_pvid=270c3312-5172-4286-88a8-b82ab572b4dd)

соленоид - [https://ru.aliexpress.com/item/Solenoid-electric-solenoid-type-push-pull-10-mm-DC-12-V-2-1-kg-](https://ru.aliexpress.com/item/Solenoid-electric-solenoid-type-push-pull-10-mm-DC-12-V-2-1-kg-force/32817591347.html?spm=2114.03010208.3.1.NtuKtC&ws_ab_test=searchweb0_0.searchweb201602_5_10152_10065_10151_10068_5210014_5290014_10301_10136_10137_10060_10155_10062_437_10154_10056_10055_10054_10059_303_5340014_100031_10099_10103_5320014_10102_10096_5350014_10169_10052_10053_10107_10050_5320018_10051_5280014_10084_10083_10119_5250014_10080_10082_10081_10110_519_10111_10112_5240014_10113_5230014_10114_10182_10078_10079_5260014_10073_10123_10120_10189_10127_142_10125_5270014.searchweb201603_50.ppcSwitch_4&btid=38d30536-dce1-4cbc-b47f-5609bf728e1ac&algo_expid=f95d962f-b9fd-4166-bbe6-ba45731a1b80-0&algo_pvid=f95d962f-b9fd-4166-bbe6-ba45731a1b80)

[force/32817591347.html?spm=2114.03010208.3.1.NtuKtC&ws_ab_test=searchweb0_0.searchweb201602_5_10152_10065_10151_10068_5210014_5290014_10301_10136_10137_10060_10155_10062_437_10154_10056_10055_10054_10059_303_5340014_100031_10099_10103_5320014_10102_10096_5350014_10169_10052_10053_10107_10050_5320018_10051_5280014_10084_10083_10119_5250014_10080_10082_10081_10110_519_10111_10112_5240014_10113_5230014_10114_10182_10078_10079_5260014_10073_10123_10120_10189_10127_142_10125_5270014.searchweb201603_50.ppcSwitch_4&btid=38d30536-dce1-4cbc-b47f-5609bf728e1ac&algo_expid=f95d962f-b9fd-4166-bbe6-ba45731a1b80-0&algo_pvid=f95d962f-b9fd-4166-bbe6-ba45731a1b80](https://ru.aliexpress.com/item/Solenoid-electric-solenoid-type-push-pull-10-mm-DC-12-V-2-1-kg-force/32817591347.html?spm=2114.03010208.3.1.NtuKtC&ws_ab_test=searchweb0_0.searchweb201602_5_10152_10065_10151_10068_5210014_5290014_10301_10136_10137_10060_10155_10062_437_10154_10056_10055_10054_10059_303_5340014_100031_10099_10103_5320014_10102_10096_5350014_10169_10052_10053_10107_10050_5320018_10051_5280014_10084_10083_10119_5250014_10080_10082_10081_10110_519_10111_10112_5240014_10113_5230014_10114_10182_10078_10079_5260014_10073_10123_10120_10189_10127_142_10125_5270014.searchweb201603_50.ppcSwitch_4&btid=38d30536-dce1-4cbc-b47f-5609bf728e1ac&algo_expid=f95d962f-b9fd-4166-bbe6-ba45731a1b80-0&algo_pvid=f95d962f-b9fd-4166-bbe6-ba45731a1b80)