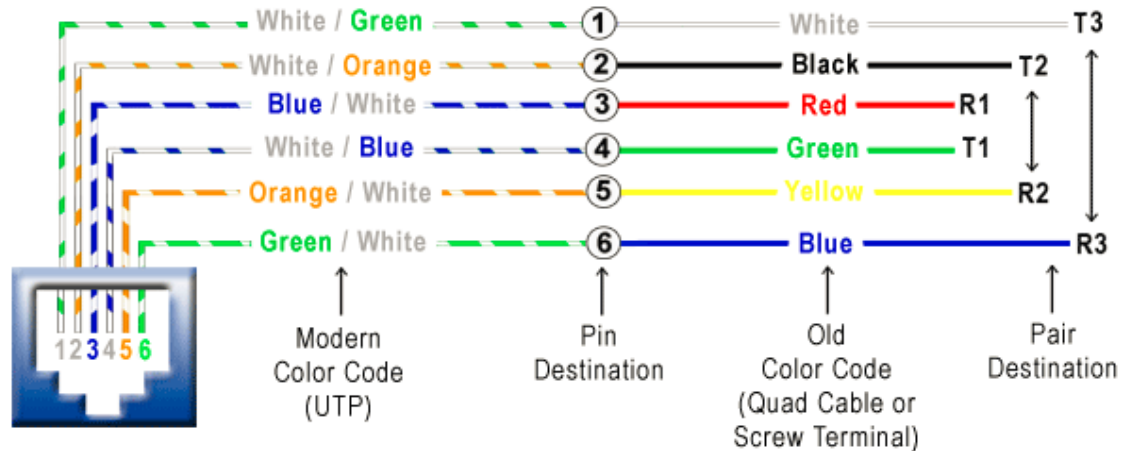


How to Wire a Phone Jack RJ-11 thru RJ-14)

Telephone wiring for a phone outlet is typically 1, 2 or 3 pairs. Most cables nowadays is UTP (unshielded twisted pair). The diagram below provides the transposition between these standards. Incorrect wiring (reversed tip and ring) will lead to voltage reversed polarity and may affect the proper functioning of the analog recording system.

Pair 1 (T1 & R1)

Usually the primary dial tone or talk circuit is wired to the center two pins (pins 3 & 4) and is the white/blue and blue/white pair (AKA: T1 & R1 - tip 1 and ring 1). A standard single line phone draws dial tone from these center pins.



Pair 2 (T2 & R2)

The secondary circuit is wired to the two pins (pins 2 & 5) directly to the side of the center pins and is the white/orange and orange/white pair (AKA: T2 & R2 - tip 2 and ring 2).

Depending on the application, the secondary circuit can either be the 2nd dial tone line on a two line phone, or the data/control circuit for an electronic key phone.

Pair 3 (T3 & R3)

The third circuit is wired to the two pins (pins 1 & 6) on the outside and is the white/green and green/white pair (AKA: T3 & R3 - tip 3 and ring 3). Depending on the application, the third circuit can either be the 3rd dial tone line on a three line phone or an accessory circuit for an electronic key phone.

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