

UCx – Digital Gateway BCM50 Wiring Chart

On the UC^x Digital Gateway, you can connect 4 analog devices and 12 Nortel digital telephones to the RJ-21 telephony connector on the BCM50 main unit.

The following table provides information about the wiring of the RJ-21 telephony connector:

Pair	Pins (Tip/Ring)	Wire colors (Tip/Ring)	Device type	Port
1	26 / 1	White-Blue / Blue-White	Analog trunk	1
2	27 / 2	White-Orange / Orange-White	Analog trunk	2
3	28 / 3	White-Green / Green-White	Analog trunk	3
4	29 / 4	White-Blue / Blue-White	Analog trunk	4
5	30 / 5	White-Slate / Slate-White	Analog device	1
6	31 / 6	Red-Blue / Blue-Red	Analog device	2
7	32 / 7	Red-Orange / Orange-Red	Analog device	3
8	33 / 8	Red-Green / Green-Red	Analog device	4
9	34 / 9	Red-Brown / Brown-Red	No connection	
10	35 / 10	Red-Slate / Slate-Red	Auxiliary Ringer	
11	36 / 11	Black-Blue / Blue-Black	Page Relay	
12	37 / 12	Black-Orange / Orange-Black	Page Output	
13	38 / 13	Black-Green / Green-Black	Music source	
14	39 / 14	Black-Brown / Brown-Black	Digital phone	12
15	40 / 15	Black-Slate / Slate-Black	Digital phone	11
16	41 / 16	Yellow-Blue / Blue-Yellow	Digital phone	10
17	42 / 17	Yellow-Orange / Orange-Yellow	Digital phone	9
18	43 / 18	Yellow-Green / Green-Yellow	Digital phone	8
19	44 / 19	Yellow-Brown / Brown-Yellow	Digital phone	7
20	45 / 20	Yellow-Slate / Slate-Yellow	Digital phone	6
21	46 / 21	Violet-Blue / Blue-Violet	Digital phone	5
22	47 / 22	Violet-Orange / Orange-Violet	Digital phone	4
23	48 / 23	Violet-Green / Green-Violet	Digital phone	3
24	49 / 24	Violet-Brown / Brown-Violet	Digital phone	2
25	50 / 25	Violet-Slate / Slate-Violet	Digital phone	1