AccessionIndex: TCD-SCSS-T.20221212.002
Accession Date: 12-Dec-2022
Accession By: Dr.Brian Coghlan
Object name: Netgear DG824M
Vintage: 2003
Synopsis: Wireless ADSL broadband router, S/N: DM82A32SA010699.

Description:
The Netgear DG824M Wireless ADSL broadband router was introduced in May 2003, combining an ADSL modem, network router, WiFi, 4-port switch, and firewall. It was marketed at a time when ADSL was just being introduced in Ireland, only two years after the ITU approved the ADSL G.992.1 Annex A (ADSL over POTS) standard [1], and when the previous domestic broadband technology, using 56Kbit modems, was still dominant, and furthermore when the providers were reluctant to move from that status quo because of the greater profits it yielded. ADSL is deliberately asymmetric (e.g. Annex A enabled 12.0Mbit/s download and 1.3Mbit/s upload), and so especially suitable for typical domestic user email and web browsing traffic. For specifications and further details see the DG824M guide in the associated folder [2].

The DG824M was a very typical ADSL router of this era, including an ADSL modem, 802.11b WiFi with 64bit/128bit encryption, four 100Mbps auto-sensing/configuring Ethernet ports, Internet support, firewall with content filtering, NAT, local DHCP & DNS, parental support, and web-based administration. These facilities were like light versus day, almost magical in comparison to the frustrations of using 56Kbit modems.

The unit in this collection has the following configuration:

MAC	00:09:5B:2D:2A:58
IP	192.168.0.1

Trivia1: ADSL is an acronym for "asymmetric digital subscriber line".
Trivia2: POTS is an acronym for "plain old telephone service".

The homepage for this catalog is at: https://www.scss.tcd.ie/SCSSTreasuresCatalog/
Click *'Accession Index'* (1st column listed) for related folder, or *'About'* for further guidance. Some of the items below may be more properly part of other categories of this catalog, but are listed here for convenience.
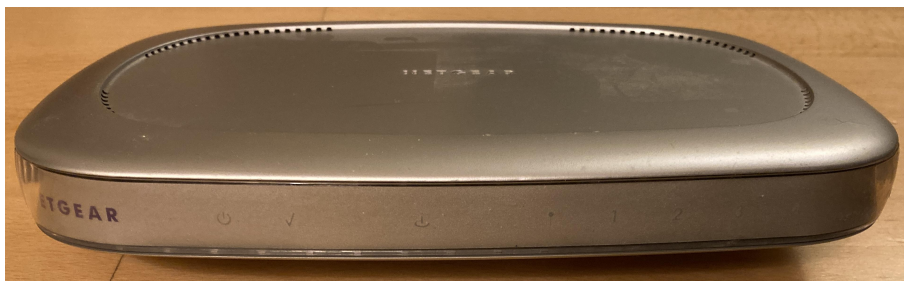
Accession Index	Object and Identification
TCD-SCSS-T.20221212.002	Netgear DG824M, Wireless ADSL broadband router, S/N: DM82A32SA010699, c.2003.

References

1.   Wikipedia, "ADSL", see: https://en.m.wikipedia.org/wiki/ADSL

2.   Netgear, "Netgear DG824M Quick Reference Guide", see:
      https://www.scss.tcd.ie/SCSSTreasuresCatalog/hardware/TCD-SCSS-
      T.20221212.002/Netgear-Dg824M-QuickReferenceGuide-1102469418.pdf

Figure 1: Netgear DG824M top view

Figure 2: Netgear DG824M front view

Figure 3: Netgear DG824M rear view
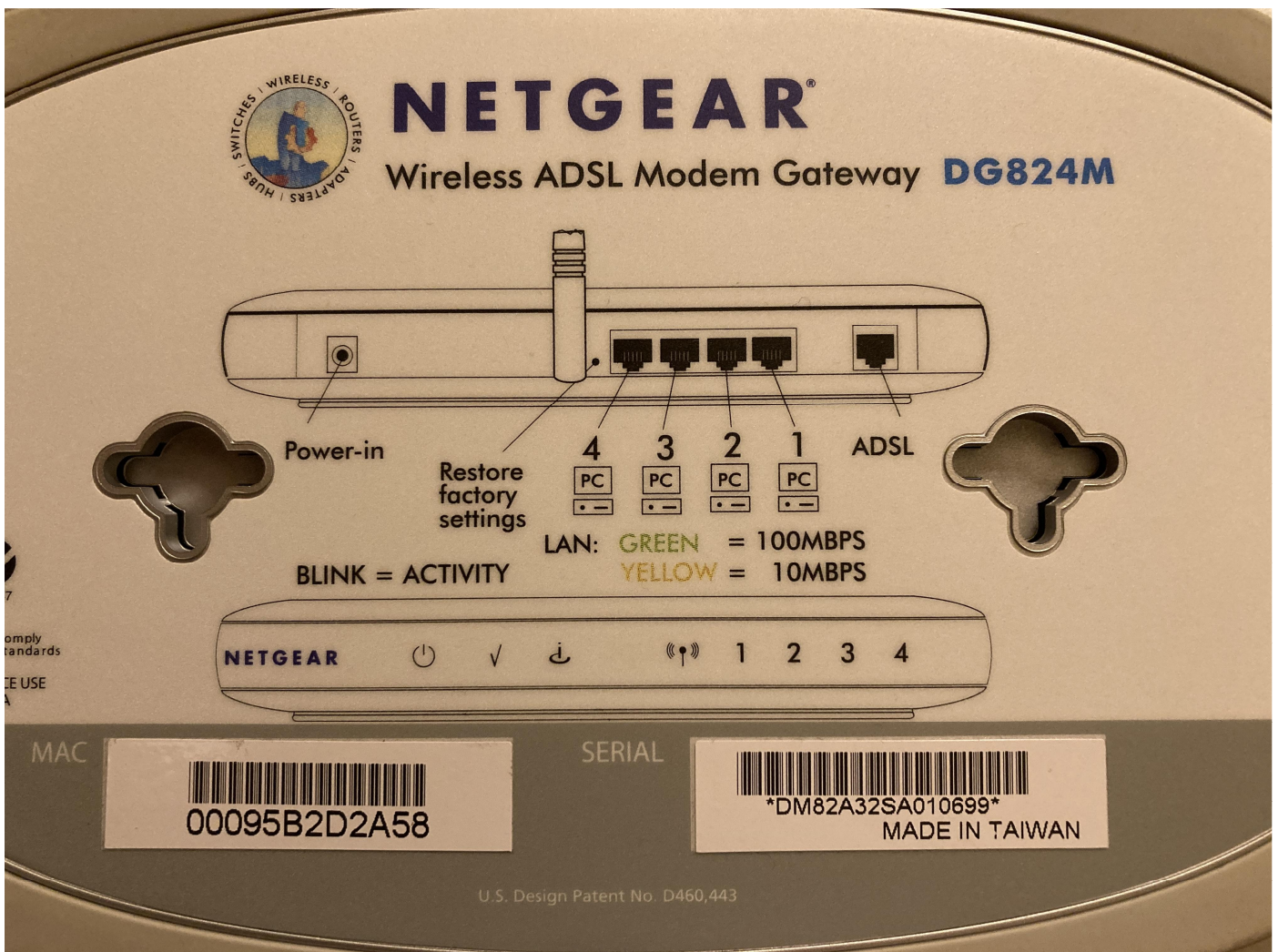
Figure 4: Netgear DG824M bottom view

Figure 5: Netgear DG824M manufacturing label

Figure 6: Netgear DG824M power supply unit