

DICOM & DEFF

Advanced Queueing Keys

Overview

This document describes the special Advanced Queueing Key feature on the Codonics NP-1660M Medical Color Printer which controls how images are queued for printing by DICOM and DEFF applications.

Description

Advanced Queueing Keys select which type of media to print color and grayscale images onto. The printer will hold images in a print queue until the correct media is loaded. This allows the printer to process color and grayscale images simultaneously, regardless of the currently loaded media type. A typical application would be to print all grayscale images on 8x10 DirectVista Film and color images on A-size ChromaVista Paper. If no Advanced Queueing Keys are installed, the images are printed on the media currently installed in the printer.

When an image is processed for a media type that is not currently installed in the printer, a message is displayed on the front panel to load the proper media. The printer will continue operated normally, holding all images for any un-installed medias in a special queue. Images that are processed for the currently installed media will be printed. The user can switch media whenever the printer mechanism is not actively imprinting on a page. The front panel will indicate what media types are required.

The Advanced Queueing Keys control the behavior of DICOM and DEFF applications only. The Activation Key **F1** is assigned to control DICOM, and **F2** controls DEFF. The keys map various media combinations to character sequences in the key which allows control over the Advanced Queueing features of the printer. Advanced Queueing Keys are entered from the front panel of the printer, the same as any other Activation Key.

Requirements

This Advanced Queueing Key feature is supported by all NP-1660M printers which have the following software releases installed:

- ◆ NP-1660 Series Printers, Operating Software Release 2.2.1 or later.
- ◆ NP-1660M DICOM Release 2.4 or later.

All NP-1660M printers can be upgraded to these releases of software. Please contact Codonics Sales or Technical Support for upgrade information.

Key Layout

Advanced Queueing Keys have the general form:

F1 CC GG 00 00 and **F2 CC GG 00 00**

The **CC** letter pair represents the media type that color images are output on. **GG** represent the media type for grayscale images. The **CC** and **GG** letter pairs are replaced by a code which specifies the media that images of that type are output on. The **00** (zero, zero) characters are simply placeholders because all keys must contain 10 characters. The following table shows all valid media codes for **CC** and **GG**:

| Code | Media Type |
|------|---|
| 00 | Use Currently Installed Media |
| C0 | ChromaVista Paper, A |
| C1 | ChromaVista Paper, A4 |
| C3 | ChromaVista Paper, Long A |
| C4 | ChromaVista Paper, Long A4 |
| C6 | ChromaVista Paper, Extra Long A |
| C7 | ChromaVista Paper, Extra Long A4 |
| C8 | ChromaVista Paper, Extra Long Wide |
| T0 | ChromaVista Transparency, A |
| T1 | ChromaVista Transparency, A4 |
| T3 | ChromaVista Transparency, Long A |
| T4 | ChromaVista Transparency, Long A4 |
| T6 | ChromaVista Transparency, Extra Long A |
| T7 | ChromaVista Transparency, Extra Long A4 |
| D1 | DirectVista Paper, A |
| D2 | DirectVista Paper, A4 |
| F9 | DirectVista Film, 8x10 |

Creating a key involves starting with **F1** for DICOM or **F2** for DEFF, then selecting the appropriate codes from the above table for color and grayscale images.

The following are sample Advanced Queueing Keys:

F1 C1 F9 00 00

F1 = DICOM

C1 = Color Images on ChromaVista Paper, A Size

F9 = Grayscale Images on DirectVista Film, 8x10

Advanced Queueing Key samples (continued):

F2 T2 D2 00 00

F2 = DEFF
T2 = Color Images on ChromaVista Trans., A4 Size
F9 = Grayscale Images on DirectVista Paper, A Size

F1 00 F9 00 00

F1 = DICOM
00 = Color Images on the media currently installed
F9 = Grayscale Images on DirectVista Film, 8x10

F2 00 00 00 00

F2 = DEFF
00 = Color Images on media currently installed
F9 = Grayscale Images on media currently installed

Entering Activation Keys

All keys are entered into the printer using the front panel menu sequence:

SETUP → **KEYS** → **KEY:** _ _ _ _ _

Where “_” character represent the 10 characters in the key.

The NP-1600 Series Printers User's Manual contains complete details on how to add and remove Activation Keys.

Viewing Activation Keys

All keys currently installed on the printer can be viewed using the **stat** command. This command is available through a **telnet** login to the printer or via the Test Print which is initiated from the front panel. The NP-1600 Series Printers User's Manual contains details on how to run the **stat** command and how to initiate a Test Print using the **T1** key.

Technical Support

For technical assistance on this feature or any printer question, please contact our Technical Support department at telephone number:

Codonics Technical Support
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