

# Print Quality and Ink Selection

### Overview

This technical brief describes how to configure label print-quality and how to select a black or color ink cartridge on the Virtua Medical Disc Publisher. The features described in this technical brief are only supported in Version 2.0.0 software or higher.

### Print Quality and Ink Selection

Job Profiles contain a printMode parameter that can be set to the following values:

- ◆ color\_good: Color ink / shortest print time / good print quality
- ◆ color\_better: Color ink / moderate print time / better print quality (factory setting)
- ◆ color\_best: Color ink / longest print time / best print quality
- ◆ black\_good: Black ink / shortest print time / good print quality
- ◆ black\_better: Black ink / moderate print time / better print quality

The color settings will print labels using the color ink cartridge (Codonics Part No. 1VCX-LR833) and the black settings will print labels using the black ink cartridge (Codonics Part No. 1VCX-AR833). For users who print black-only labels (such as "Ink Saver"), the black cartridge uses less ink and prints faster than the color cartridge.

The table below shows how common situations are handled when ink is not available.

Ink Selection	Condition	Result
Black or Color	Black ink cartridge empty	Fault condition and message - Replace or remove Black ink cartridge
Black or Color	Color ink cartridge empty	Fault condition and message - Replace or remove Color ink cartridge

Ink Selection	Condition	Result
Black	Black ink cartridge not loaded	Label will print using Color cartridge (no message)
Color	Color ink cartridge not loaded (Virtua XR only)	Label will print using Black cartridge (no message)

### Configuring a Standard Virtua

Note: For proper operation on standard Virtua models, a color ink cartridge must be loaded at all times, even if only using black ink. This restriction does not apply to the Virtua XR model which can operate with either a black cartridge, a color cartridge, or both.

For a standard Virtua system (not a Virtua XR), the printMode parameter is supported only in the default Job Profile, and cannot be changed once the system has been powered on. That is, for a standard Virtua system, the default printMode parameter is a universal setting that will be applied to all jobs. The printMode parameter in other Job Profiles will be ignored. To change the default printMode parameter, edit the default Job Profile on the SmartDrive following the instructions in the Virtua User's Manual.

### Configuring a Virtua XR

For a Virtua XR system, the printMode parameter is supported in all Job Profiles. The print mode can be changed from job to job by selecting a Job Profile containing the desired setting for the printMode parameter. The printMode parameter can be changed by editing individual Job Profiles on the SmartDrive following the instructions in the Virtua User's Manual.

### Technical Support

If problems occur during software installation, contact Codonics Technical Support between the hours of 8:30AM and 5:30PM EST (weekends and U.S. holidays excluded).

Phone: 440-243-1198

Email: support@codonics.com

Website: www.codonics.com

Get it all with just one call  
1-800-444-1198

