



MUSICAM USA

Corporate Computer Systems, Inc. d/b/a MUSICAM USA

*CDQPrima*TM
Users Guide

MUSICAM USA

CDQ **Prima** Users Guide
for Software Revisions 34 and 6.34

© MUSICAM USA
Corporate Computer Systems, Inc.
670 North Beers Street • Building 4
Holmdel, NJ 07733 USA
Phone 732.739.5600 • Fax 732.739.1818
<http://www.musicamusa.com>

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Introduction to the *CDQPrima* Users Guide

The *CDQPrima* Users Guide is a companion document to the *CDQPrima* Technical Reference Manual. The Users Guide contains all the information you need to set up and use the *CDQPrima* for most basic applications. We recommend that you take the time to read this guide since it contains information required to properly configure your *CDQPrima* for use. The *CDQPrima* Technical Reference Manual is designed for the advanced user who wants to make the most out of the *CDQPrima*'s more advanced features.



Your *CDQPrima* contains a vast array of features, many of which are not available in competing models. This manual contains a summary of *CDQPrima* features, which are current through the date of this manual. The *CDQPrima* Series is designed to grow as technology improves, and MUSICAM USA may, from time to time, issue software or hardware upgrades to increase performance and provide additional features. If you believe a new feature would be helpful in your application, we encourage you to contact us with your ideas. One of *CDQPrima*'s most important features is that it can easily be field upgraded, and we may be able to easily make your idea a reality.

Throughout this manual the symbol Rev. 6 will be used to highlight features and commands that are only available with hardware Revision 6.

Noting the software version as your *CDQPrima* boots can identify your *CDQPrima*'s software and hardware versions. For example, Hardware Revision 6 running Software Revision 34 will be indicated by "6.34" appearing on the display during system boot. Although we will do our best to contact you when new software releases are available, please feel free to check with us for the current software version number. Periodically checking our Web Site, www.musicamusa.com, is the easiest way to learn about software upgrades.

QUICK-START:

If you don't have time to read the entire Users Guide, we strongly recommend that you do read at least Chapters 5 and 6 before using your *CDQPrima*.

The basic features and functions of the *CDQPrima* are described in this document, the *CDQPrima* Users Guide, and this document should be consulted for setting up, configuring and using the basic *CDQPrima* functions. **If you don't have time to read the entire Users Guide, we strongly recommend that you do read at least Chapters 5 and 6 before using your *CDQPrima*.** Configuration and set-up topics discussed in the *CDQPrima* Users Guide include:

- Chapter 1: *CDQPrima* overview, including features, options, and model descriptions
- Chapter 2: Unpacking and installing, including remote control, Digital Interface module installation, connecting to the network and rear panel connectors
- Chapter 3: The front panel, including the LCD and LED displays and keypad
- Chapter 4: Command and control summary, including menu navigation and remote control
- Chapter 5: Network and ISDN interface (terminal adapter) configuration, including interface installation and selection and terminal adapter programming
- Chapter 6: The session, including algorithm and mode comparisons, codec configuration, connecting to another codec and Speed Dial directory maintenance
- Chapter 7: Useful features, including User Profiles, factory defaults and function key programming

Information and discussions of the following advanced topics can be found in the *CDQPrima* Technical Reference Manual:

- ⇒ Digital transmission networks
- ⇒ Compression algorithms and line formats
- ⇒ Advanced configuration for dual-algorithm, independent mono and broadcast applications
- ⇒ Advanced encoder and decoder configurations and features, including digital audio I/O, calibration, peak detection, status bits, error concealment, sine wave detection and simulated switches

- ⇒ Remote control, including command summary, Windows Remote Control program, RS232/RS485 considerations and far end remote control
- ⇒ Ancillary data, including SMPTE time code, relay closures, optical inputs, extended control links and data port configurations
- ⇒ Digital audio input and output, including timing and synchronization
- ⇒ Bit error and out of frame detection
- ⇒ Prima Logic Language, including silence detection, auto format detection and Virtual Actions
- ⇒ Psychoacoustic parameter adjustment
- ⇒ Booting and software downloading
- ⇒ Encoder headers
- ⇒ Security, including selective command lockout and port lockout
- ⇒ On-line help for terminal and computer users
- ⇒ Maintenance and debugging functions
- ⇒ Troubleshooting