



MUSICAM USA

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

*CDQ*Prima™
Users Guide

MUSICAM USA

CDQ Prima Users Guide
for Software Revisions 32 and 6.32

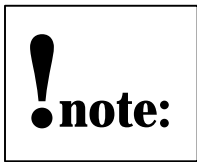
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Introduction to the CDQPrima Users Guide

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  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 32 will be indicated by "6.32" 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

The basic features and functions of the **CDQPrima** are described in the

CDQPrima Users Guide, and that 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
- Chapter 3: Network connections, front and rear panel connections
- Chapter 4: Keypad and displays
- Chapter 5: Command and control of basic codec functions, including:
 - ⇒ Command entry using the front panel keypad and display, remote control commands and the Windows Remote Control program
 - ⇒ Digital Interface Module, including Terminal Adapter setup, configuration storage and recall
 - ⇒ Encoder/Decoder configuration using Quick Configurations, including configuration table maintenance
 - ⇒ Manual encoder and decoder configuration
 - ⇒ Terminal Adapter dialing, including speed dial directory maintenance
 - ⇒ Remote control port configuration
 - ⇒ Loopback modes
 - ⇒ Headphones, displays, beeper and fan controls
- Chapter 6: Codec compression algorithms and modes, including discussions on matching the algorithm to the application. This chapter also describes all of the **CDQPrima's** pre-programmed Quick Configurations

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