

Preface

We have continuously improved and refined the **CDQPrima** codec series since we first introduced it in October 1994. We made these improvements and enhancements for convenience, functionality and general product improvement. If you have an older **CDQPrima** running earlier software, we will be happy to send you a software upgrade kit to bring your **CDQPrima** up to date. Following is a summary of all enhancements that MUSICAM USA has made to the **CDQPrima** since its introduction:

Revision 15: Menu tree simplified.

- EIF command added to display connection state.

- Ability to toggle the state of the Sine Detector added.

- (L + R - 3 dB) mono mix added.

- Input Copy/Swap added.

- Local Check for internal terminal adapter TA101 added.

 - redial on non-connect added.

- Display of connection state added.

Revision 16: Support for G.722 using H.221 bonding added.

- Multiple commands support in Virtual Actions added.

Revision 17: (~~Revision 17 was a private release.~~)

Revision 18: Generic ancillary data support added.

- Last number redial added.

- Display of last dialed number and line rate added.

Revision 19: Factory defaults changed to reflect more typical applications.

- Editing Speed Dial table simplified.

- Enhanced Prima Logic Language:

 - Six new "events" added.

 - Virtual Action recursion added.

- Support for Quick-Configurations" added.

- Terminal Adapter reset from internal keypad supported.

- Speed Dial capabilities enhanced.

Revision 20: ~~CDQPrima~~/TA101 interface improved.

Revision 21: Audio quality improved at most common bit/sample rates.

- Second RS232 Ancillary Data Path added to 200 Series **CDQPrima**.

- TA101 dialing simplified and enhanced.

- (L + R) and (L + R - 6 dB) mono mixes added.

Eleven pre-programmed Quick-Configurations"added.
Three pre-programmed Music Line"test numbers added, available
24 hours.
Prima Logic Language enhanced.

Revision 23: Audio quality improved at most common bit/sample rates.
Menu tree enhanced and simplified.
for optional keypad beeper added.
Terminal Adapter setup enhanced and simplified.
Two additional timers added to Prima Logic Language.
Last number redial added to all Terminal Adapter ports.
Twelve additional Quick-Configurations"added.
o additional Music Line"numbers added.

In August 1996, MUSICAM USA began shipping **CDQPrima** units with upgraded hardware. Some software features and enhancements after this time are supported only by this upgraded hardware. Throughout the rest of this document, those features that are supported only in the new hardware are indicated with a Rev 6 in the margin and shaded text. All **CDQPrima** units with the upgraded hardware have software versions beginning with a 6, and have serial numbers beginning with 02.

Revision 25/6.25:

Commands can now be sent from remote control port to far-end
RS232 port.
Terminal Adapter support enhanced.
Prima Logic Language event definition expanded.
Menu tree further simplified.
Speed Dial directory maintenance improved.
Multiple SPID, ID and TA configuration storage/recall added.
Quick encoder/decoder status display added.
Menu navigation improved ~~menu~~ wrap-around added.
Rev. 6 20 bit A/D added.
Keypad beeper and audible alarm control added
Fan on/off control with thermostatic override added.
Display contrast control added.

Revision 6.26:

(Revision 6.26 was a private release.)

Revision 27/6.27:

Prima Logic Language timer resolution improved.
System snapshots'can be used to create Quick-Configurations"and
Speed Dial entries.

Speed Dial directory maintenance further improved.
Speed Dialing simplified.
Security features improved.
profile (user defaults) storage and recall added.

Rev. 6

Dual Channel MUSICAM Layer II Send added.
ISO/MPEG Layer III added.

Revision 29/6.29:

New menu tree support for re-designed Terminal Adapter.
Terminal Adapter support and setup enhanced and simplified.
Additional commands to support enhanced functions of optional
opt-isolator inputs.

Streamlined last number redial features.

Caller ID added for incoming call where supported by network.

Rev. 6

Added 24 kHz sampling for MPEG Layer III.
Enhanced Ancillary Data for MPEG Layer III.

Revision 30/6.30:

Improved H.221 support.

Caller ID added for European operation only.
Improved TA support.

Dialing can now be terminated.

Revision 6.31:

(Revision 6.31 was a private release.)

Revision 32/6.32:

Low delay MUSICAM Layer 2, single line mode.

Improved H.221 bonding capabilities.

Improved TA rate selection and configuration.

Speed dial can now be set up for broadcasting.

Improved Speed Dial directory maintenance.

TA activity history added

Rev. 6

Dual Channel G.722 send/receive added.

Revision 6.33:

(Revision 6.33 was a private release.)

Revision 34/6.34:

Added input and output clip level adjustment of 3 and 6 dB.

Added ability to cancel speed dial operation

Improved reliability of multiple-line H.221 BONDING

Increased dialing capability to 24 digits

Added quick-framing capabilities to MPEG Layer 2

- ~~Simplified manual encoder and decoder configuration~~
- ~~Improved reliability of G.722 when connecting to PKI telephones~~
- ~~Increased the maximum dial time-out~~

Your **CDQPrima** is the most advanced audio codec available anywhere, offering you the most features and the highest performance. The **CDQPrima** is easy to use, and the built-in Quick Configurations and system snapshots make it easy to configure.