

MT2000 Manual Addendum: MT2000 MIB

MT2000 MIB

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LINEAR-ACOUSTIC-MT2000-MIB DEFINITIONS ::= BEGIN

-- MIB for Linear Acoustic mt2000 devices

IMPORTS
    enterprises                FROM RFC1155-SMI
    TRAP-TYPE                  FROM RFC-1215
    OBJECT-TYPE                FROM RFC-1212;

linearAcoustic    OBJECT IDENTIFIER ::= { enterprises 28660 }
mt2000            OBJECT IDENTIFIER ::= { linearAcoustic 2222 }
mt2000-system    OBJECT IDENTIFIER ::= { mt2000 1 }
mt2000-status    OBJECT IDENTIFIER ::= { mt2000 2 }

--
-- mt2000-system
--

-- model
la-model          OBJECT-TYPE
    SYNTAX          OCTET STRING (SIZE (0..40))
    ACCESS          read-only
    STATUS          mandatory
    DESCRIPTION
        "Linear Acoustic Model."
        ::= { mt2000-system 1 }

-- software version
software-version OBJECT-TYPE
    SYNTAX          OCTET STRING (SIZE (0..40))
    ACCESS          read-only
    STATUS          optional
    DESCRIPTION
        "Device's software version."
        ::= { mt2000-system 2 }

-- firmware version
firmware-version OBJECT-TYPE
    SYNTAX          OCTET STRING (SIZE (0..40))
    ACCESS          read-only
    STATUS          optional
    DESCRIPTION
        "Devices's firmware version."
        ::= { mt2000-system 3 }

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MT2000 Manual Addendum: MT2000 MIB

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-- package version
package-version OBJECT-TYPE
    SYNTAX      OCTET STRING (SIZE (0..100))
    ACCESS      read-only
    STATUS      optional
    DESCRIPTION
        "Devices's package version."
    ::= { mt2000-system 4 }

--
-- mt2000-status
--

-- Power Source
power-source OBJECT-TYPE
    SYNTAX      INTEGER {line (1), battery (2)}
    ACCESS      read-only
    STATUS      mandatory
    DESCRIPTION
        "Power source."
    DEFVAL { 1 }
    ::= { mt2000-status 1 }

-- Battery Low
battery-low OBJECT-TYPE
    SYNTAX      INTEGER {no (1), yes (2)}
    ACCESS      read-only
    STATUS      optional
    DESCRIPTION
        "Battery low status."
    DEFVAL { 1 }
    ::= { mt2000-status 2 }

-- System Reference
system-reference OBJECT-TYPE
    SYNTAX      INTEGER {absent (1), present (2)}
    ACCESS      read-only
    STATUS      optional
    DESCRIPTION
        "Status of System Reference."
    DEFVAL { 1 }
    ::= { mt2000-status 3 }

-- Audio Detected (Primary)
pri-audio-detected OBJECT-TYPE
    SYNTAX      INTEGER {no (1), yes (2)}
    ACCESS      read-only
    STATUS      optional
    DESCRIPTION
        "Detection of Primary Audio Signal."
    DEFVAL { 1 }
    ::= { mt2000-status 4 }
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MT2000 Manual Addendum: MT2000 MIB

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-- Alert1 Current State
alert1-status OBJECT-TYPE
    SYNTAX      INTEGER {off (1), on (2)}
    ACCESS      read-only
    STATUS      optional
    DESCRIPTION
        "Status of Alert1."
    DEFVAL { 1 }
    ::= { mt2000-status 5 }

-- Alert2 Current State
alert2-status OBJECT-TYPE
    SYNTAX      INTEGER {off (1), on (2)}
    ACCESS      read-only
    STATUS      optional
    DESCRIPTION
        "Status of Alert2."
    DEFVAL { 1 }
    ::= { mt2000-status 6 }

-- Alert3 Current State
alert3-status OBJECT-TYPE
    SYNTAX      INTEGER {off (1), on (2)}
    ACCESS      read-only
    STATUS      optional
    DESCRIPTION
        "Status of Alert3."
    DEFVAL { 1 }
    ::= { mt2000-status 7 }

-- Alert4 Current State
alert4-status OBJECT-TYPE
    SYNTAX      INTEGER {off (1), on (2)}
    ACCESS      read-only
    STATUS      optional
    DESCRIPTION
        "Status of Alert4."
    DEFVAL { 1 }
    ::= { mt2000-status 8 }

-- Alert1 On Current Assignment
alert1-on-assignment OBJECT-TYPE
    SYNTAX      OCTET STRING (SIZE (0..100))
    ACCESS      read-only
    STATUS      optional
    DESCRIPTION
        "Assignment of Alert1 when ON."
    ::= { mt2000-status 9 }

-- Alert1 Off Current Assignment
alert1-off-assignment OBJECT-TYPE
    SYNTAX      OCTET STRING (SIZE (0..100))
    ACCESS      read-only
    STATUS      optional
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MT2000 Manual Addendum: MT2000 MIB

```
DESCRIPTION
    "Assignment of Alert1 when OFF."
 ::= { mt2000-status 10 }

-- Alert2 On Current Assignment
alert2-on-assignment OBJECT-TYPE
    SYNTAX      OCTET STRING (SIZE (0..100))
    ACCESS      read-only
    STATUS      optional
    DESCRIPTION
        "Assignment of Alert2 when ON."
 ::= { mt2000-status 11 }

-- Alert2 Off Current Assignment
alert2-off-assignment OBJECT-TYPE
    SYNTAX      OCTET STRING (SIZE (0..100))
    ACCESS      read-only
    STATUS      optional
    DESCRIPTION
        "Assignment of Alert2 when OFF."
 ::= { mt2000-status 12 }

-- Alert3 On Current Assignment
alert3-on-assignment OBJECT-TYPE
    SYNTAX      OCTET STRING (SIZE (0..100))
    ACCESS      read-only
    STATUS      optional
    DESCRIPTION
        "Assignment of Alert3 when ON."
 ::= { mt2000-status 13 }

-- Alert3 Off Current Assignment
alert3-off-assignment OBJECT-TYPE
    SYNTAX      OCTET STRING (SIZE (0..100))
    ACCESS      read-only
    STATUS      optional
    DESCRIPTION
        "Assignment of Alert3 when OFF."
 ::= { mt2000-status 14 }

-- Alert4 On Current Assignment
alert4-on-assignment OBJECT-TYPE
    SYNTAX      OCTET STRING (SIZE (0..100))
    ACCESS      read-only
    STATUS      optional
    DESCRIPTION
        "Assignment of Alert4 when ON."
 ::= { mt2000-status 15 }

-- Alert4 Off Current Assignment
alert4-off-assignment OBJECT-TYPE
    SYNTAX      OCTET STRING (SIZE (0..100))
    ACCESS      read-only
    STATUS      optional
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MT2000 Manual Addendum: MT2000 MIB

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DESCRIPTION
    "Assignment of Alert4 when OFF."
 ::= { mt2000-status 16 }

-- Encoder/Decoder
codec OBJECT-TYPE
    SYNTAX      INTEGER {error (1), ok (2)}
    ACCESS      read-only
    STATUS      optional
    DESCRIPTION
        "Status of Encoder/Decoder module."
    DEFVAL { 1 }
 ::= { mt2000-status 17 }

-- Loudness Log record
loudness-log-rec OBJECT-TYPE
    SYNTAX      OCTET STRING (SIZE (0..255))
    ACCESS      read-only
    STATUS      optional
    DESCRIPTION
        "Loudness Log record."
 ::= { mt2000-status 18 }

-- Loudness Log Frequency
loudness-log-freq OBJECT-TYPE
    SYNTAX      INTEGER (0..60)
    ACCESS      read-only
    STATUS      optional
    DESCRIPTION
        "Loudness Log Frequency in seconds. Zero indicates No Logging."
    DEFVAL { 0 }
 ::= { mt2000-status 19 }

--
-- traps
--

-- 12/07/2012 RDC
-- Linear Acoustic rules for enterprise-specific traps
-- 1. Use trap numbers from 10 to 127.
--    This makes them different from generic traps (0 - 5) and
--    lets them fit into a consistent and small space in BER TLV packet.
-- 2. Use VARIABLES sparingly to keep the overall BER packet
--    size small and processing down.

-- Using Battery Power
trap-using-battery-power TRAP-TYPE
    ENTERPRISE mt2000
    DESCRIPTION
        "Trap, Using Battery Power."
 ::= 10

-- Battery Low
trap-battery-low TRAP-TYPE
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MT2000 Manual Addendum: MT2000 MIB

```
ENTERPRISE mt2000
DESCRIPTION
    "Trap, Battery is low."
 ::= 11

-- Audio Loss (Primary)
trap-pri-audio-loss      TRAP-TYPE
ENTERPRISE mt2000
DESCRIPTION
    "Trap, Primary Audio lost or not detected."
 ::= 12

-- Audio Detected (Primary)
trap-pri-audio-detected TRAP-TYPE
ENTERPRISE mt2000
DESCRIPTION
    "Trap, Primary Audio detected."
 ::= 13

-- Alert1 Turned On
trap-alert1-on          TRAP-TYPE
ENTERPRISE mt2000
VARIABLES {alert1-on-assignment}
DESCRIPTION
    "Trap, Alert1 On"
 ::= 14

-- Alert1 Turned Off
trap-alert1-off         TRAP-TYPE
ENTERPRISE mt2000
VARIABLES {alert1-off-assignment}
DESCRIPTION
    "Trap, Alert1 Off"
 ::= 15

-- Alert2 Turned On
trap-alert2-on          TRAP-TYPE
ENTERPRISE mt2000
VARIABLES {alert2-on-assignment}
DESCRIPTION
    "Trap, Alert2 On"
 ::= 16

-- Alert2 Turned Off
trap-alert2-off         TRAP-TYPE
ENTERPRISE mt2000
VARIABLES {alert2-off-assignment}
DESCRIPTION
    "Trap, Alert2 Off"
 ::= 17

-- Alert3 Turned On
trap-alert3-on          TRAP-TYPE
ENTERPRISE mt2000
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MT2000 Manual Addendum: MT2000 MIB

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VARIABLES {alert3-on-assignment}
DESCRIPTION
    "Trap, Alert3 On"
 ::= 18

-- Alert3 Turned Off
trap-alert3-off TRAP-TYPE
    ENTERPRISE mt2000
    VARIABLES {alert3-off-assignment}
    DESCRIPTION
        "Trap, Alert3 Off"
    ::= 19

-- Alert4 Turned On
trap-alert4-on TRAP-TYPE
    ENTERPRISE mt2000
    VARIABLES {alert4-on-assignment}
    DESCRIPTION
        "Trap, Alert4 On"
    ::= 20

-- Alert4 Turned Off
trap-alert4-off TRAP-TYPE
    ENTERPRISE mt2000
    VARIABLES {alert4-off-assignment}
    DESCRIPTION
        "Trap, Alert4 Off"
    ::= 21

-- Codec Failed
trap-codec-failed TRAP-TYPE
    ENTERPRISE mt2000
    DESCRIPTION
        "Trap, Encoder/Decoder failed or not detected."
    ::= 22

-- Codec Detected
trap-codec-detected TRAP-TYPE
    ENTERPRISE mt2000
    DESCRIPTION
        "Trap, Encoder/Decoder detected."
    ::= 23

-- Loudness Log record
trap-log-record TRAP-TYPE
    ENTERPRISE mt2000
    VARIABLES {loudness-log-rec}
    DESCRIPTION
        "Trap, Loudness Log record."
    ::= 24

END
```