OMNIA.9sg and Omnia.9sg-DP
Stereo Generator with Psychoacoustically-Controlled Distortion Masking Clipper

USER MANUAL ADDENDUM
S/W Version 3.19.39 • August 2018

This information supplements the Omnia.9sg user manual. Where the user manual and this addendum differ, the information in the addendum takes precedence.
Notices and Cautions

AC SUPPLY
Rated voltage range: 100 – 240 VAC
Rated frequency range: 50/60 HZ
Rated current: 1.0 – 0.5 A

DC SUPPLY
Rated voltage 40-57 VDC
Rated current: 1.0 A
Maximum operating altitude: 2000 meters
Minimum and maximum operating temperatures: 0 – 50 degrees C
Maximum relative humidity in which the equipment can be operated: 95% non-condensing

OPERATOR ACCESSIBLE AC FUSE REPLACEMENT PART NUMBER(S) AND ELECTRICAL CHARACTERISTICS

WARNING
The product power cords are the mains disconnect devices. The socket-outlet must be installed near the equipment and must be easily accessible to isolate the equipment from the power source in case of an emergency. If this is not feasible, for example because the equipment is rack-mounted, then a power isolation switch should be incorporated into the rack that will allow the operator to disconnect BOTH incoming supplies.

WARNING TO SERVICE PERSONNEL
This product may be energised by TWO independent power supplies. In the event one line fuse is blown, the equipment may still be energised via the supplementary power supply. To prevent electric shock, disconnect BOTH power inputs from the mains supply before servicing.

WARNING
This equipment is compliant with Class A of CISPR 32. In a residential environment, this equipment may cause radio interference.
CAUTION:

For (DP) units with the AC-DC power option, this instrument has a DC voltage input. Ensure the power voltage is within the specified range of 40-57 VDC. The $\text{⎓}$ symbol, if used, indicates a direct current supply. The DC supply must have external current control limiting the total power available to 240VA or less. An external 4A fuse is required on the DC supply.

Omania.9sg-DP power supplies incorporate internal fuses. Hazardous voltages may still be present on some of the primary parts even when the fuse has blown. If fuse replacement is required, replace fuse only with same type and value for continued protection against fire.

CE Conformance Information

This device complies with the requirements of the EEC council directives:

- 2011/65/EU (RoHS)
- 2014/30/EU (Electromagnetic compatibility)
- 2014/35/EU (Safety – low voltage directive)

-48VDC Power Entry

The DC entry connector is not supplied. For a compatible connector, use one of the following:

Preassembled

TE Connectivity part number GA310

Custom

Housing: Molex 03-12-1036
Pins: Molex 18-12-1221 or Molex 18-12-1222

Wiring Instructions

Follow instructions for proper crimping of Molex pins. Use the wiring diagram on rear of unit:

Color wires according to local regulations.
Version 3.19.39 Software Addendum

The following software change descriptions outline differences and updates since this last published manual (3.16.50). This guide is an addendum to that document, available at https://www.telosalliance.com/Omnia/Omnia9sg

USB Connector Notice

The front panel USB connector is provided solely for use with a USB thumb drive for purposes of updating software, downloading log files, or loading music files to the unit. Once use for any such purpose is complete, the thumb drive should be removed. Due to RF emissions and interference concerns, under no circumstances should this port be used to cable connect the 9SG to another a piece of equipment, nor should a USB cable be left inserted in this port.

Livewire RTP Time Stamp Compatibility

Version 3.19.39 adds a new feature to help insure compatibility between the 9.SG and certain, older Livewire implementations. To access this, go to /Home/Omnia.9sg/Stereo Generator and select Input 1, 2 or 3.
RDS UECP

RDS UECP/Remote control over TCP/IP UECP (Universal Encoder Control Protocol) is a standardized protocol that is used to send information to RDS encoders. It is supported by many software and hardware RDS encoders, and by many automation systems. The RDS option must be installed in order to reach the UECP control screen below: /Home/Omnia.9sg/RDS/Main

Omnia.9.sg supports a subset of UECP commands over an IP connection only (RS232 is not supported). The UECP dropdown enables and disables UECP support and has the following options: TCP / UDP / TCP (ASCII) / UDP (ASCII). Select the one appropriate for your installation. Many applications now support UECP directly, but for those that do not, an ASCII mode is supported for sending commands in plain text. UECP input port is a text field where you can enter the port to listen for UECP commands, in decimal. UECP is connected (On/Off) (read only) - displays the current status of the UECP connection (On = connected, off = not connected). Use internal settings on connection drop specifies whether Omnia.9sg should fallback to the RDS settings specified in other pages in the RDS menu, should the UECP connection drop. It is a good idea to enable this and populate the RDS settings with “generic” information should the automation system fail to connect and provide data via UECP. The Status line will show the connection status (TCP) and number of messages received (UDP). As UECP can send commands via multicasting to multiple RDS encoders, each message contains addressing information. The “Listen to specific address” option instructs Omnia.9 to only listen for UECP commands targeted to the specified address. The options are Site/Encoder Address, DSN, PSN. Enter the information appropriate to your RDS network if this feature is utilized.

Omnia 9.sg MIB Definitions

SNMP traps and status report capabilities have been expanded in 3.19.39, but the interface for enabling SNMP and setting communities and traps remain the same as previous versions. The Omnia.9sg MIB file is available via the built-in HTTP server on the SNMP Test Page, which can be accessed from any white-listed computer on the network. Enter the IP address of the unit followed by the port number and “/SNMP”, substituting your own IP address into this example: http://192.168.1..1:7380/SNMP
New SNMP traps have been added in this release

- Loss of AES sync / AES Error
- Alert that system is in mono mode
- Pre-emphasis settings have changed
- MPX level has changed
- RDS level has changed

The most recent MIB file is reprinted here for reference:

```plaintext
OMNIA9SG-MIB DEFINITIONS ::= BEGIN

-- MIB for Omnia.9sg devices
-- Applicable to software version: 3.19.35 -
IMPORTS
  NOTIFICATION-TYPE,  OBJECT-TYPE, MODULE-IDENTITY,
  enterprises, Integer32, IpAddress
  FROM SNMPv2-SMI
  DisplayString
  FROM SNMPv2-TC;

linearAcoustic MODULE-IDENTITY
  LAST-UPDATED "201608280809Z"
  ORGANIZATION
  "Telos Alliance"
  CONTACT-INFO
  "Leif Claesson
                  E-mail leif.claesson@telosalliance.com"
  DESCRIPTION
  "The MIB module for the Omnia.9sg implementation of the SNMPv2c
  protocol."
  REVISION "201608280809Z"
  DESCRIPTION
  ""
  ::= { enterprises 28660 }

omnia9sg OBJECT IDENTIFIER ::= { linearAcoustic 9008 }

main OBJECT IDENTIFIER ::= { omnia9sg 1 }

 trap OBJECT IDENTIFIER ::= { omnia9sg 2 }

snmp-main OBJECT IDENTIFIER ::= { main 1 }

snmp-trap OBJECT IDENTIFIER ::= { main 2 }

prodinfo-main OBJECT IDENTIFIER ::= { main 2 }

  -- prodinfo-trap
  OBJECT IDENTIFIER ::= { main 3 }

sys-main OBJECT IDENTIFIER ::= { main 4 }

sys-trap OBJECT IDENTIFIER ::= { main 4 }

status-main OBJECT IDENTIFIER ::= { main 4 }
```

status-trap

input-status-main
input-status-trap
cur-loudness-main
-- cur-loudness-trap
output-status-main
output-status-trap
rds-status-main
rds-status-trap

preset-main
preset-trap

--

-- snmp
--

software-link

SYNTAX INTEGER { unavailable (-1), linked (0), unlinked (1) }
MAX-ACCESS read-only
STATUS current
DESCRIPTION "SNMP agent currently linked to Omnia.9sg. This link goes down during upgrade and reconfiguration."
DEFVAL { -1 }
::= { snmp-main 1 }

software-link OBJECT IDENTIFIER ::= { snmp-trap 1 }

software-link-down NOTIFICATION-TYPE
STATUS current
DESCRIPTION "Omnia.9sg software link lost."
::= { software-link 0 11 }

software-link-up NOTIFICATION-TYPE
STATUS current
DESCRIPTION "Omnia.9sg software link established."
::= { software-link 0 10 }

software-link-failure

SYNTAX INTEGER { unavailable (-1), ok (0), fail (1) }
MAX-ACCESS read-only
STATUS current
DESCRIPTION "SNMP agent unable to communicate with Omnia.9sg for an extended time. Failure is critical issue."
DEFVAL { -1 }
::= { snmp-main 2 }

software-link-failure OBJECT IDENTIFIER ::= { snmp-trap 2 }

software-link-failure-alarm NOTIFICATION-TYPE
STATUS current
DESCRIPTION
"Omnia.9sg software link sustained failure."
::= { software-link-failure 0 11 }

software-link-restored NOTIFICATION-TYPE
STATUS    current
DESCRIPTION
"Omnia.9sg software link re-established."
::= { software-link-failure 0 10 }

heartbeat OBJECT IDENTIFIER ::= { snmp-trap 0 }

trap-heartbeat NOTIFICATION-TYPE
STATUS    current
DESCRIPTION
"Omnia.9sg software heartbeat."
::= { heartbeat 73 }

-- prodinfo
--
-- model
model-name OBJECT-TYPE
SYNTAX     DisplayString (SIZE (0..64))
MAX-ACCESS read-only
STATUS     current
DESCRIPTION
"Model Name"
::= { prodinfo-main 1 }

-- software version
software-version OBJECT-TYPE
SYNTAX     DisplayString (SIZE (0..64))
MAX-ACCESS read-only
STATUS     current
DESCRIPTION
"Device's software version."
::= { prodinfo-main 2 }

-- firmware version
firmware-version OBJECT-TYPE
SYNTAX     DisplayString (SIZE (0..64))
MAX-ACCESS read-only
STATUS     current
DESCRIPTION
"Device's firmware version."
::= { prodinfo-main 3 }

--
-- omnia9sg system
--
engine-status  OBJECT-TYPE
   SYNTAX   INTEGER {unavailable (-1), ok (0), fail (1)}
   MAX-ACCESS read-only
   STATUS   current
   DESCRIPTION
   "Status of processing engine."
   DEFVAL { -1 }
   ::= { sys-main 1010 }

engine-status  OBJECT IDENTIFIER ::= { sys-trap 1010 }

engine-failure  NOTIFICATION-TYPE
   STATUS   current
   DESCRIPTION
   "General Engine (hardware) Failure."
   ::= { engine-status 0 11 }

engine-ok    NOTIFICATION-TYPE
   STATUS   current
   DESCRIPTION
   "Engine (Hardware) OK."
   ::= { engine-status 0 10 }

ref-rate-status  OBJECT-TYPE
   SYNTAX   INTEGER {unavailable (-1), ok (0), wrong (1)}
   MAX-ACCESS read-only
   STATUS   current
   DESCRIPTION
   "Status of 48k reference input sample rate."
   DEFVAL { -1 }
   ::= { sys-main 1011 }

ref-rate-status  OBJECT IDENTIFIER ::= { sys-trap 1011 }

ref-rate-wrong  NOTIFICATION-TYPE
   STATUS   current
   DESCRIPTION
   "Wrong reference rate, only 48 kHz supported"
   ::= { ref-rate-status 0 11 }

ref-rate-ok    NOTIFICATION-TYPE
   STATUS   current
   DESCRIPTION
   "Reference rate OK or N/A."
   ::= { ref-rate-status 0 10 }

psu-status  OBJECT-TYPE
   SYNTAX   INTEGER {unavailable (-1), ok (0), fail (1)}
   MAX-ACCESS read-only
   STATUS   current
   DESCRIPTION
   "Status of power supply redundancy."
   DEFVAL { -1 }
   ::= { sys-main 1020 }

psu-status  OBJECT IDENTIFIER ::= { sys-trap 1020 }
power-redundancy-failure NOTIFICATION-TYPE
  STATUS   current
  DESCRIPTION
  "Power Redundancy Failure."
  ::= { psu-status 0 11 }

power-redundancy-ok NOTIFICATION-TYPE
  STATUS   current
  DESCRIPTION
  "Power Redundancy OK."
  ::= { psu-status 0 10 }

cpu-utilization OBJECT-TYPE
  SYNTAX   Integer32
  MAX-ACCESS read-only
  STATUS   current
  DESCRIPTION
  "CPU utilization percentage"
  DEFVAL { -1 }
  ::= { sys-main 1030 }

cpu-status OBJECT-TYPE
  SYNTAX   INTEGER {unavailable (-1), ok (0), overload (1)}
  MAX-ACCESS read-only
  STATUS   current
  DESCRIPTION
  "Sustained CPU overload status."
  DEFVAL { -1 }
  ::= { sys-main 1040 }

cpu-status OBJECT IDENTIFIER ::= { sys-trap 1040 }

cpu-overload-alarm NOTIFICATION-TYPE
  STATUS   current
  DESCRIPTION
  "CPU overloaded."
  ::= { cpu-status 0 11}

cpu-ok NOTIFICATION-TYPE
  STATUS   current
  DESCRIPTION
  "CPU status OK."
  ::= { cpu-status 0 10 }

ram-available OBJECT-TYPE
  SYNTAX   Integer32
  MAX-ACCESS read-only
  STATUS   current
  DESCRIPTION
  "Amount of RAM available (MB)."
  DEFVAL { -1 }
  ::= { sys-main 1050 }
ram-status OBJECT-TYPE
SYNTAX INTEGER {unavailable (-1), ok (0), low (1)}
MAX-ACCESS read-only
STATUS current
DESCRIPTION "Overall RAM status."
DEFVAL {-1}
::= { sys-main 1060 }

ram-status OBJECT IDENTIFIER ::= { sys-trap 1060 }

ram-depletion-alarm NOTIFICATION-TYPE
STATUS current
DESCRIPTION "Running out of RAM."
::= { ram-status 0 11}

ram-ok NOTIFICATION-TYPE
STATUS current
DESCRIPTION "RAM status OK."
::= { ram-status 0 10}

cpu-temperature-value OBJECT-TYPE
SYNTAX Integer32 (-1..200)
MAX-ACCESS read-only
STATUS current
DESCRIPTION "CPU temperature (Celsius)."
DEFVAL {-1}
::= { sys-main 1070 }

cpu-temperature OBJECT-TYPE
SYNTAX INTEGER {unavailable (-1), ok (0), overheat (1)}
MAX-ACCESS read-only
STATUS current
DESCRIPTION "CPU temperature condition."
DEFVAL {-1}
::= { sys-main 1080 }

cpu-temperature OBJECT IDENTIFIER ::= { sys-trap 1080 }

cpu-overheat-alarm NOTIFICATION-TYPE
STATUS current
DESCRIPTION "CPU overheating."
::= { cpu-temperature 0 11}

cpu-temperature-ok NOTIFICATION-TYPE
STATUS current
DESCRIPTION "CPU temperature OK."
::= { cpu-temperature 0 10}

chassis-temperature-value OBJECT-TYPE
SYNTAX Integer32 (-1..200)
MAX-ACCESS read-only
STATUS current
DESCRIPTION "Chassis temperature (Celsius)."
DEFVAL { -1 }
::= { sys-main 1090 }

chassis-temperature OBJECT-TYPE
SYNTAX INTEGER {unavailable (-1), ok (0), overheat (1)}
MAX-ACCESS read-only
STATUS current
DESCRIPTION "Chassis temperature condition."
DEFVAL { -1 }
::= { sys-main 1100 }

chassis-temperature OBJECT IDENTIFIER ::= { sys-trap 1100 }

chassis-overheat-alarm NOTIFICATION-TYPE
STATUS current
DESCRIPTION "Chassis overheating."
::= { chassis-temperature 0 11 }

chassis-temperature-ok NOTIFICATION-TYPE
STATUS current
DESCRIPTION "Chassis temperature OK."
::= { chassis-temperature 0 10 }

cpu-fan-speed OBJECT-TYPE
SYNTAX Integer32 (-1..10000)
MAX-ACCESS read-only
STATUS current
DESCRIPTION "CPU fan speed (RPM)."
DEFVAL { -1 }
::= { sys-main 1110 }

cpu-fan-status OBJECT-TYPE
SYNTAX INTEGER {unavailable (-1), ok (0), fail (1)}
MAX-ACCESS read-only
STATUS current
DESCRIPTION "CPU fan status."
DEFVAL { -1 }
::= { sys-main 1120 }
cpu-fan-status OBJECT IDENTIFIER ::= { sys-trap 1120 }

cpu-fan-failure NOTIFICATION-TYPE
  STATUS current
  DESCRIPTION "CPU fan failure."
  ::= { cpu-fan-status 0 11 }

cpu-fan-ok NOTIFICATION-TYPE
  STATUS current
  DESCRIPTION "CPU fan OK."
  ::= { cpu-fan-status 0 10 }

-- chassis-fan-speed OBJECT-TYPE
--   SYNTAX    Integer32 (-1..10000)
--   MAX-ACCESS read-only
--   STATUS    current
--   DESCRIPTION "Chassis fan speed (RPM)."
--   DEFVAL { -1 }
--   ::= { sys-main 1130 }

-- chassis-fan-status OBJECT-TYPE
--   SYNTAX    INTEGER {unavailable (-1), ok (0), fail (1)}
--   MAX-ACCESS read-only
--   STATUS    current
--   DESCRIPTION "Chassis fan status."
--   DEFVAL { -1 }
--   ::= { sys-main 1140 }

-- chassis-fan-failure NOTIFICATION-TYPE
--   STATUS    current
--   DESCRIPTION "Chassis fan failure."
--   ::= { sys-trap 1140 0 11 }

-- chassis-fan-ok NOTIFICATION-TYPE
--   STATUS    current
--   DESCRIPTION "Chassis fan OK."
--   ::= { sys-trap 1140 0 10 }

-- omnia9sg main

backup-input-status OBJECT-TYPE
  SYNTAX    INTEGER {unavailable (-1), ok (0), fail (1)}
  MAX-ACCESS read-only
  STATUS    current
  DESCRIPTION
"Backup input status (primary failed)"
DEFVAL { -1 }
::= { input-status-main 1 }

backup-input OBJECT IDENTIFIER ::= { input-status-trap 1 }

backup-input-not-in-use NOTIFICATION-TYPE
STATUS current
DESCRIPTION "Backup input not in use."
::= { backup-input 0 10 }

backup-input-in-use NOTIFICATION-TYPE
STATUS current
DESCRIPTION "Backup input in use."
::= { backup-input 0 11 }

local-input-status OBJECT-TYPE
SYNTAX INTEGER { unavailable (-1), main (0), local (1) }
MAX-ACCESS read-only
STATUS current
DESCRIPTION "Local input status (network override)"
DEFVAL { -1 }
::= { input-status-main 2 }

local-input OBJECT IDENTIFIER ::= { input-status-trap 2 }

main-program-audio-on-air NOTIFICATION-TYPE
STATUS current
DESCRIPTION "Local input not in use."
::= { local-input 0 10 }

local-override-audio-on-air NOTIFICATION-TYPE
STATUS current
DESCRIPTION "Local input in use."
::= { local-input 0 11 }

input-silent-status OBJECT-TYPE
SYNTAX INTEGER { unavailable (-1), ok (0), silence (1) }
MAX-ACCESS read-only
STATUS current
DESCRIPTION "Input silence sense."
DEFVAL { -1 }
::= { input-status-main 3 }

input-silence OBJECT IDENTIFIER ::= { input-status-trap 3 }

input-present NOTIFICATION-TYPE
STATUS current
DESCRIPTION
"Input present."
 ::= { input-silence 0 10 }

input-silent NOTIFICATION-TYPE
   STATUS current
   DESCRIPTION "Input audio loss (silence)."
 ::= { input-silence 0 11 }

internal-player-status OBJECT-TYPE
   SYNTAX INTEGER { unavailable (-1), inactive (0), active (1) }
   MAX-ACCESS read-only
   STATUS current
   DESCRIPTION "Internal player status."
   DEFVAL { -1 }
 ::= { input-status-main 4 }

internal-player OBJECT IDENTIFIER ::= { input-status-trap 4 }

internal-player-not-in-use NOTIFICATION-TYPE
   STATUS current
   DESCRIPTION "Internal player not in use."
 ::= { internal-player 0 10 }

internal-player-on-air NOTIFICATION-TYPE
   STATUS current
   DESCRIPTION "Internal player in use."
 ::= { internal-player 0 11 }

input-ch-balance OBJECT-TYPE
   SYNTAX INTEGER { unavailable (-1), ok (0), left-low (1), right-low (2) }
   MAX-ACCESS read-only
   STATUS current
   DESCRIPTION "Input channel balance status."
   DEFVAL { -1 }
 ::= { input-status-main 5 }

input-ch-balance OBJECT IDENTIFIER ::= { input-status-trap 5 }

input-ch-balanced NOTIFICATION-TYPE
   STATUS current
   DESCRIPTION "Input channel balance OK."
 ::= { input-ch-balance 0 10 }

input-ch-imbalance NOTIFICATION-TYPE
   STATUS current
   DESCRIPTION "Input channel imbalance."
 ::= { input-ch-balance 0 11 }
input-overload-status  OBJECT-TYPE
SYNTAX   INTEGER {unavailable (-1), ok (0), overload (1)}
MAX-ACCESS  read-only
STATUS     current
DESCRIPTION  "Input overload status."
DEFVAL { -1 }
::= { input-status-main 6 }

input-overload  OBJECT IDENTIFIER ::= { input-status-trap 6 }

input-no-overload NOTIFICATION-TYPE
STATUS     current
DESCRIPTION  "No input overload."
::= { input-overload 0 10 }

input-overload NOTIFICATION-TYPE
STATUS     current
DESCRIPTION  "Input overload (clipping)."
::= { input-overload 0 11 }

digital-input-status  OBJECT-TYPE
SYNTAX   INTEGER {unavailable (-1), ok (0), missing (1),
not-in-use (2)}
MAX-ACCESS  read-only
STATUS     current
DESCRIPTION  "Digital Input status"
DEFVAL { -1 }
::= { input-status-main 7 }

digital-input-status OBJECT IDENTIFIER ::= { input-status-trap 7 }

digital-input-not-missing NOTIFICATION-TYPE
STATUS     current
DESCRIPTION  "Digital input present"
::= { digital-input-status 0 10 }

digital-input-missing NOTIFICATION-TYPE
STATUS     current
DESCRIPTION  "Digital input missing."
::= { digital-input-status 0 11 }

digital-input-not-in-use NOTIFICATION-TYPE
STATUS     current
DESCRIPTION  "Digital input not in use."
::= { digital-input-status 0 12 }
reference-input-status OBJECT-TYPE
   SYNTAX      INTEGER { unavailable (-1), ok (0), missing (1),
                  not-in-use (2) }
   MAX-ACCESS  read-only
   STATUS      current
   DESCRIPTION "Reference Input status"
   DEFVAL { -1 }
   ::= { input-status-main 8 }

reference-input-status OBJECT IDENTIFIER ::= { input-status-trap 8 }

reference-input-not-missing NOTIFICATION-TYPE
   STATUS      current
   DESCRIPTION "Reference input present"
   ::= { reference-input-status 0 10 }

reference-input-missing NOTIFICATION-TYPE
   STATUS      current
   DESCRIPTION "Reference input missing"
   ::= { reference-input-status 0 11 }

reference-input-not-in-use NOTIFICATION-TYPE
   STATUS      current
   DESCRIPTION "Reference input not in use"
   ::= { reference-input-status 0 12 }

local-input-loudness-level OBJECT-TYPE
   SYNTAX      Integer32 (-1500..240)
   MAX-ACCESS  read-only
   STATUS      current
   DESCRIPTION "Local input ITU 1770 loudness (centibel FS)"
   DEFVAL { -1500 }
   ::= { cur-loudness-main 1 }

pre-clip-loudness-level OBJECT-TYPE
   SYNTAX      Integer32 (-1500..240)
   MAX-ACCESS  read-only
   STATUS      current
   DESCRIPTION "Pre-clipper ITU 1770 loudness (centibel FS)"
   DEFVAL { -1500 }
   ::= { cur-loudness-main 2 }

mpx-out-loudness-level OBJECT-TYPE
   SYNTAX      Integer32 (-1500..240)
   MAX-ACCESS  read-only
   STATUS      current
   DESCRIPTION "MPX output ITU 1770 loudness (centibel FS)"
   DEFVAL { -1500 }
   ::= { cur-loudness-main 3 }

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mpx-out-voltage-1 OBJECT-TYPE
SYNTAX Integer32 (-1..10000)
MAX-ACCESS read-only
STATUS current
DESCRIPTION "MPX output 1 output voltage setting (millivolts)"
DEFVAL {-1}
::= { output-status-main 1 }

mpx-out-voltage-1-traps OBJECT IDENTIFIER ::= { output-status-trap 1 }

mpx-out-voltage-1 NOTIFICATION-TYPE
STATUS current
DESCRIPTION "MPX output voltage 1 changed"
::= { mpx-out-voltage-1-traps 1 }

mpx-out-voltage-2 OBJECT-TYPE
SYNTAX Integer32 (-1..10000)
MAX-ACCESS read-only
STATUS current
DESCRIPTION "MPX output 2 output voltage setting (millivolts)"
DEFVAL {-1}
::= { output-status-main 2 }

mpx-out-voltage-2-traps OBJECT IDENTIFIER ::= { output-status-trap 2 }

mpx-out-voltage-2 NOTIFICATION-TYPE
STATUS current
DESCRIPTION "MPX output voltage 2 changed"
::= { mpx-out-voltage-2-traps 1 }

mpx-power-limit OBJECT-TYPE
SYNTAX Integer32 (-300..1200)
MAX-ACCESS read-only
STATUS current
DESCRIPTION "MPX power limit setting (centibels)"
DEFVAL {-1}
::= { output-status-main 3 }

mpx-power-limit-traps OBJECT IDENTIFIER ::= { output-status-trap 3 }
mpx-power-limit NOTIFICATION-TYPE
  STATUS current
  DESCRIPTION "MPX power limit level changed"
  ::= { mpx-power-limit-traps 1 }

pilot-level OBJECT-TYPE
  SYNTAX Integer32 (0..200)
  MAX-ACCESS read-only
  STATUS current
  DESCRIPTION "Pilot level (promille)"
  DEFVAL {-1}
  ::= { output-status-main 4 }

pilot-level OBJECT IDENTIFIER ::= { output-status-trap 4 }

definition of notifications:
pilot-level NOTIFICATION-TYPE
  STATUS current
  DESCRIPTION "Pilot level changed"
  ::= { pilot-level 0 1 }

pre-emphasis OBJECT-TYPE
  SYNTAX Integer32 (0..75)
  MAX-ACCESS read-only
  STATUS current
  DESCRIPTION "Pre-emphasis (microseconds)"
  DEFVAL {-1}
  ::= { output-status-main 5 }

pre-emphasis OBJECT IDENTIFIER ::= { output-status-trap 5 }

pre-emphasis NOTIFICATION-TYPE
  STATUS current
  DESCRIPTION "Pre-emphasis changed"
  ::= { pre-emphasis 0 1 }

rds-injection-level OBJECT-TYPE
  SYNTAX Integer32 (-1..150)
  MAX-ACCESS read-only
  STATUS current
  DESCRIPTION "RDS injection level (promille)"
  DEFVAL {-1}
  ::= { rds-status-main 1 }
rdj-injection-level  OBJECT IDENTIFIER ::= { rds-status-trap 1 }

rdj-injection-level NOTIFICATION-TYPE
  STATUS current
  DESCRIPTION "RDS Injection Level changed"
  ::= { rdj-injection-level 0 1 }

rds-current-ps  OBJECT-TYPE
  SYNTAX    DisplayString (SIZE (0..64))
  MAX-ACCESS read-only
  STATUS    current
  DESCRIPTION "RDS current Programme Service text"
  ::= { rds-status-main 2 }

rds-ps-changed  OBJECT IDENTIFIER ::= { rds-status-trap 2 }

rds-ps-changed NOTIFICATION-TYPE
  STATUS current
  DESCRIPTION "RDS PS changed"
  ::= { rds-ps-changed 0 1 }

rds-current-rt  OBJECT-TYPE
  SYNTAX    DisplayString (SIZE (0..128))
  MAX-ACCESS read-only
  STATUS    current
  DESCRIPTION "RDS current RadioText"
  ::= { rds-status-main 3 }

rds-rt-changed  OBJECT IDENTIFIER ::= { rds-status-trap 3 }

rds-rt-changed NOTIFICATION-TYPE
  STATUS current
  DESCRIPTION "RDS RT changed"
  ::= { rds-rt-changed 0 1 }

--
-- omnia9sg preset
--

sg-preset  OBJECT-TYPE
  SYNTAX    DisplayString (SIZE (0..64))
  MAX-ACCESS read-only
  STATUS    current
  DESCRIPTION "Stereo generator preset"
  ::= { preset-main 1 }

sg-preset  OBJECT IDENTIFIER ::= { preset-trap 1 }
sg-preset-change   NOTIFICATION-TYPE
STATUS current
DESCRIPTION
"Trap, Stereo generator preset change."
::= { sg-preset 0 1}

local-proc-preset   OBJECT-TYPE
SYNTAX   DisplayString (SIZE (0..64))
MAX-ACCESS  read-only
STATUS   current
DESCRIPTION
"Local processing preset"
::= { preset-main 2 }

local-proc-preset-change   NOTIFICATION-TYPE
STATUS current
DESCRIPTION
"Trap, Stereo generator preset change."
::= { local-proc-preset 0 1}

hp-mon-preset   OBJECT-TYPE
SYNTAX   DisplayString (SIZE (0..64))
MAX-ACCESS  read-only
STATUS   current
DESCRIPTION
"HP monitor output preset"
::= { preset-main 3 }

hp-mon-preset-change   NOTIFICATION-TYPE
STATUS current
DESCRIPTION
"Trap, HP monitoring preset change."
::= { hp-mon-preset 0 1}

spk-mon-preset   OBJECT-TYPE
SYNTAX   DisplayString (SIZE (0..64))
MAX-ACCESS  read-only
STATUS   current
DESCRIPTION
"Speaker monitor output preset"
::= { preset-main 4 }

spk-mon-preset-change   NOTIFICATION-TYPE
STATUS current
DESCRIPTION
"Trap, Speaker monitoring preset change."
::= { spk-mon-preset 0 1}

aux-mon-preset   OBJECT-TYPE
SYNTAX   DisplayString (SIZE (0..64))
MAX-ACCESS read-only
STATUS current
DESCRIPTION "Auk monitor output preset"
 ::= { preset-main 5 }

aux-mon-preset OBJECT IDENTIFIER ::= { preset-trap 5 }

aux-mon-preset-change NOTIFICATION-TYPE
STATUS current
DESCRIPTION "Trap, AUX monitoring preset change."
 ::= { aux-mon-preset 0 1}

END