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 ⎓ 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.

Omnia.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:
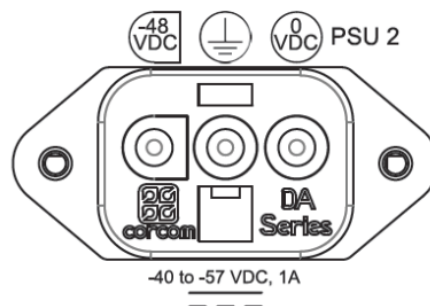
Preassembled

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
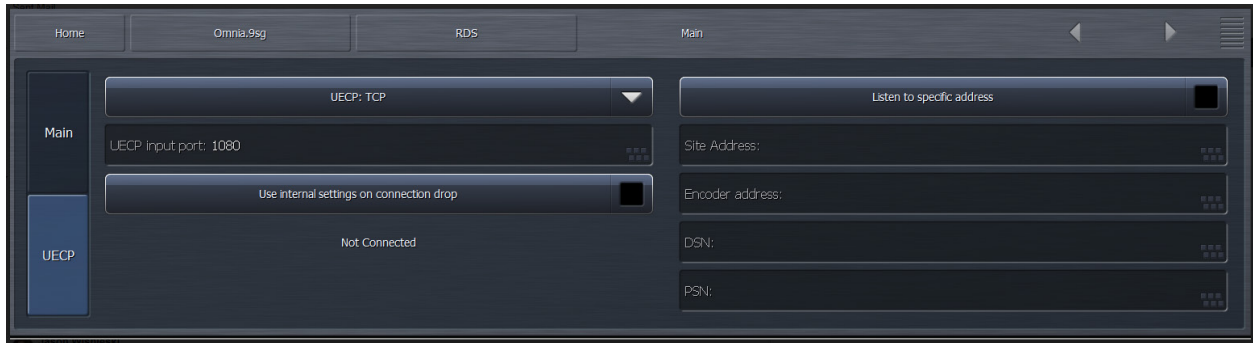
Omnia.9.sg supports a subset of UECP commands over an IP connection only (RS232 is not supported). The UECP dropdown enables and disables UECP support and has the following options: TCP / UDP / TCP (ASCII) / UDP (ASCII). Select the one appropriate for your installation. Many applications now support 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:

```
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 ::= { trap 1 }

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

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

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

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

input-status-main           OBJECT IDENTIFIER ::= { status-main 1 }
input-status-trap           OBJECT IDENTIFIER ::= { status-trap 1 }
cur-loudness-main           OBJECT IDENTIFIER ::= { status-main 2 }
-- cur-loudness-trap            OBJECT IDENTIFIER ::= { status-trap 2 }
output-status-main                 OBJECT IDENTIFIER ::= { status-main 3 }
output-status-trap                 OBJECT IDENTIFIER ::= { status-trap 3 }
rds-status-main                    OBJECT IDENTIFIER ::= { status-main 4 }
rds-status-trap                    OBJECT IDENTIFIER ::= { status-trap 4 }

preset-main                        OBJECT IDENTIFIER ::= { main 5 }
preset-trap                        OBJECT IDENTIFIER ::= { trap 5 }


--
--    snmp
--

software-link    OBJECT-TYPE
     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        OBJECT-TYPE
     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
        "Devices'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 }
```

```
mpx-out-voltage-1OBJECT-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-2OBJECT-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 }

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 }

rds-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       OBJECT IDENTIFIER ::= { preset-trap 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           OBJECT IDENTIFIER ::= { preset-trap 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          OBJECT IDENTIFIER ::= { preset-trap 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
```