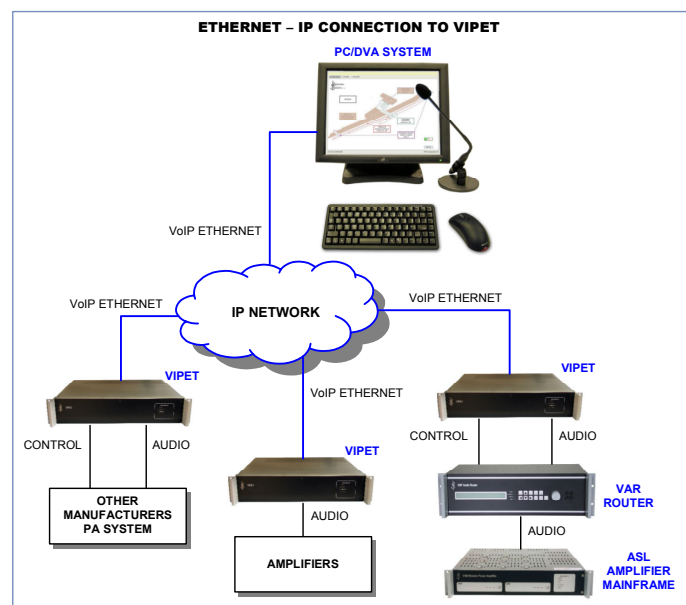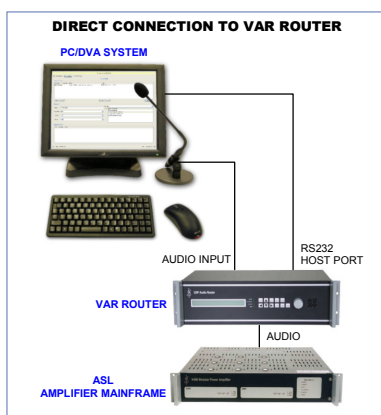# DVA01
PC/DVA System

The DVA01 is a PC based Digital Voice Announcer which enables PA announcements to be made from messages stored within the PC. It can also operate as a paging microphone in which the physical microphone buttons and LED indicators are implemented on a touchscreen display. The DVA01 also provides a background music routing function.

The DVA01's simple and intuitive user interface enables easy and quick operation. The display graphics are normally customised to show the site plan, with the physical layout of the zones covered by the PA system being shown on the screen. The area representing each zone then acts as a 'zone select' button, with zone selection and announcement status being shown by different colours. Alternatively the display graphics can be formatted as a set of traditional 'zone select' buttons if required. As well as immediate broadcast functions, DVAs can also be scheduled to be automatically broadcast at intervals, and new DVAs can also be recorded by the user.

The DVA01 PC/DVA System comprises a touchscreen display with additional keyboard and mouse option, and an optional flexible gooseneck microphone. It is designed to work with both the VAR range of DSP Router/System Controllers and with the VIPET IP Audio Controller.

The DVA01 can be directly connected to a VAR Router in a simple system. Alternatively the DVA01 can be connected an IP network, and the audio can then be routed to remote locations over the IP network, using the ASL's Voice over IP (VoIP) technology.

For further details, and for information on other products, please visit www.asl-electronics.co.uk.

SPECIFICATION[1]

GENERAL

Connection to VAR Router
Control Data .... RS232 host port / 9600 baud
Audio .... any Mic/Line input
RS232 Cabling .... 20 m (max.)
    RS232/RS485 conversion required for longer distance

Connection to IP Network
Connection to VIPET.... 100BASE-T Ethernet, VoIP audio
Audio ....any VIPET audio input can be used
    for direct connection of microphone

Live Announcement
Maximum Microphone Broadcast Length ....60 s

DVA Message
Message Length ....60 s
Pre-Recorded DVA Message Format (Preferred)[2]
    File Format .... WAV
    Sample Rate .... 48 kHz
    Bit Depth .... 16 bits

Graphic Zone Image File Format[3]
    File Format ....BMP, PNG or GIF
    Image Size .... 960 pixels wide * 640 pixels high

TOUCHSCREEN PC (standard DVA01 hardware)

LCD .... 15 inch TFT, dual bulb notebook display
    1024x768 native resolution
Touchscreen ....Sealed resistive membrane
CPU.. 1 GHz
Memory .... 256 MB standard DDR DIMM
IDE Hard Drive.. 60 Gbytes
Power Supply..100-240 V AC
    external 19 V / 90 W notebook type AC, adapter supplied
Serial ....4 external, 2 can be powered + 5/ 12 V DC
USB... 5 external, USB 2.0
PS/2 .... Keyboard
LAN 10/100BASE-T
Parallel ....1 ECP/ EPP
Dimensions (H x W x D) ....340 mm x 360 mm x 270 mm
    display and base arranged
    in a typical viewing screen angle
Weight ....7.5 kg

STANDARD PC
(if used instead of the standard Touchscreen PC)[4]

CPU.. 1 GHz
Memory .... 256 MB standard DDR DIMM
IDE Hard Drive.. 60 Gbytes
Power Supply...100-240 V AC
Serial Port 2
USB Port .... 4, USB 2.0
LAN Port.. 10/100BASE-T
Dimensions and Weight............. as per project requirements

Display Size .... 15"
Type .... TFT LCD display, standard or touchscreen
Resolution .... 1024x768 native resolution

DVA-DESK-MIC
(optional for use with VIPET or touchscreen console)

Type .... gooseneck desk microphone
Polar Pattern .... Hypercardioid
Frequency Range ....50 to 19,000 Hz
Sensitivity .... 12 mV/PA = –38 dBV re 1 V/Pa
Max. SPL...125 dB (for 1% THD)
Equivalent Noise Level ....<21 dBA
Signal/Noise Ratio (A-weighted)................................>73 dB
Impedance ....<=600 Ω
Recommended Load Impedance...........................>=2,000 Ω
Supply Voltage.........9 to 52 V phantom power to DIN 45596
    DPA adapter integrated
Finish...matt dark grey
Connection to VAR Router ....3-pin XLR male connector
Connection to PC...USB port
    DVA-MIC-INTERFACE is required
Dimensions ....approx. 13.5 x 380 mm (gooseneck)
    115 mm diameter (base)
Weight...160 g (gooseneck)
    620 g (base and stand adapter)

DVA-KEYBOARD
(optional for use with VIPET or touchscreen console)

Type .... compact wired keyboard
Interface USB/PS2 1.1/2.0
Number of Keys 86
Colour...black
Dimensions (H x W x D)............27 mm x 282 mm x 132 mm
Weight..400 g (approx.)
Model ....Cherry G84-4100LCMGB-2 or similar

DVA-MOUSE
(optional for use with VIPET or touchscreen console)

Type .... wired wheel optical mouse
Interface PS2/USB 1.1/2.0
X-Y Resolution ....400 dpi
Number of Buttons...3 buttons
Colour.. black
Model .... Microsoft® Wheel Mouse Optical or similar

DVA-SPEAKERS
(optional for use with VIPET or touchscreen console)

Type .... powered PC multimedia speakers
Power .... 2.5 W RMS per channel (2 channels)
Frequency Response.....................................90 Hz – 20 kHz
Dimensions (H x W x D).............190 mm x 100 mm x 85 mm
Model ....Creative's Inspire 265 or similar

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[1]   For full specification, please refer to the DVA01 Product Manual.
[2]   The pre-recorded DVA messages can be produced by ASL from various file
      formats. Alternatively message text can be supplied to ASL, and ASL can
      arrange for the messages to be recorded, in English and/or in other languages, if
      required.
[3]   The DVA01 is supplied with a single paging display graphic generated from an
      image supplied by the customer in the required format, or using the standard
      ASL display template free of charge. Hierarchical displays generated to customer
      requirements at a price on application.
[4]   Minimum requirements

QUALITY ASSURED FIRM
CERTIFICATE NUMBER 96-LON-AQ-041

Link-up