

## TalkPerfect DX Duplex Intercom

The TalkPerfect DX Speech Enhancement system is designed to improve communication at fixed screen counters. Based on proven, reliable and patented technology, the full duplex system amplifies speech for both customer and staff, minimising background noise and actively reducing acoustic feedback.

The modular design, contemporary styling and wide range of accessories means the TalkPerfect DX system is always easy to install and never looks out of place, whether it is for a retrofit or new build application. A range of microphones and loudspeakers are available for staff and client side to optimise user experience and to integrate well with the aesthetics and spatial requirements for the installation. The ampetronic TalkPerfect intercom is typically installed below counter in conjunction with a CLD1 induction loop, providing a fully integrated intercom and control module, with a host of features and accessories for integration into any environment.



### Features

- Full duplex communication
- Feedback and echo suppression built in
- Staff headset option
- Multiple microphone and speaker options
- Simple integration to CLD1 loop amplifier
- Compact design
- All connections are on one panel for ease of installation
- Fully adjustable gain on both channels
- Low cost of ownership
- 5 year warranty (accessories 1 year)

### Applications include

- Security reception desks
- Customer returns points
- Banks & Post Offices
- Cash counters
- Prison visitor communication desks
- Security screens
- Bureau de Change
- Police stations
- Petrol / gasoline forecourts

### Specifications

|                       |                                                                                                                                                                                                     |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Mic inputs</b>     | Suitable for unbalanced electret capsules<br>DC bias voltage: 6V through 1k $\Omega$<br>Suitable source: 1k $\Omega$<br>Input impedance: 8k $\Omega$<br>Input noise level: -124dBu                  |
| <b>Speaker O/Ps</b>   | <0.5% THD @ 1kHz with +11dBu (1W into 8 $\Omega$ )<br>Bandwidth: 20Hz - 10kHz.<br>Min load: 4 $\Omega$ , Max output level: +14dBu                                                                   |
| <b>Control Port</b>   | LED output connects to combi mic speaker to indicate if system is active i.e. Mute turns LED off.<br>PTT & Mute are active low.<br>+12Vdc for external module supply. 100mA fused                   |
| <b>Staff Override</b> | Unbalanced Line I/O using 3.5mm jack socket.<br>Input = Tip, Output = Ring<br>Input sensitivity -10dBu with 1k $\Omega$ source<br>Output level max: +4dBu, typical -10dBu<br>Output Z: 220 $\Omega$ |
| <b>Line Output</b>    | Unbalanced phono socket for connection to CLD1 line input - cable supplied.                                                                                                                         |
| <b>Voltage (dc)</b>   | 12Vdc, Quiescent: 170mA 2W, Maximum: 1.0A 12W                                                                                                                                                       |

### Physical

|                                |                                             |
|--------------------------------|---------------------------------------------|
| <b>Dimensions &amp; weight</b> | width 200mm, depth 110mm, height 44mm, 475g |
| <b>Temperature range</b>       | -10 to +45 $^{\circ}$ C, 20 to 90% humidity |

### Accessories

|                     |                                                                                         |
|---------------------|-----------------------------------------------------------------------------------------|
| <b>Mic/Speakers</b> | POD Speaker, POD Mic, Combi Unit, Glass Mount<br>Microphone, PZM Microphone, Audio Tray |
|---------------------|-----------------------------------------------------------------------------------------|

### Standards Compliance

CE marked to all relevant safety and EMC standards.