

## IP-AN-DD - LCD display driver



**New Product**

### 1. Key Points of the Product Release

The Austco IP-AN-DD is a module that essentially turns a computer monitor with a HDMI input port into a LCD annunciator for the Tacera system.

It consists of an ultra-compact and fanless PC running a special version of the Tacera GUI software.

The design includes VESA mount standard bolt-thru holes to suit the majority of LCD monitors.

### 2. Basic Details

At just 115mm x 115mm x 40mm, this quiet, tiny-but-mighty Atom based PC platform is capable of driving 24" LCD monitors in full 1080p resolution.

The IP-AN-DD can be considered as Linux box running a modified version of the Tacera GUI. The Linux operating system and the LCD annunciator GUI program are loaded onto a 4G Compact Flash (CF Card) specifically designed for industrial applications.

On the Tacera system the IP-AN-DD is treated as a Tacera GUI. This means that for every IP-AN-DD on the system, an IPC-TACERA licence is required. For an introductory period, this licence will be included in the cost of an IP-AN-DD.

The IP-AN-DD has one Ethernet port that is connected to the Tacera "Austco LAN". The DHCP server of the ACS-100 (also connected on the Austco LAN) automatically assigns an IP address to the IP-AN-DD.

The following IPConnect features are available and configurable on the IP-AN-DD:

- Webmin A customised version of Webmin (Linux's http maintenance interface) is used to configure the IP-AN-DD.

- Tacera GUI filters Each IP-AN-DD can be set up only to receive call information from certain areas and/or call-types
- Background logo The background logo (by default Austco) can be changed with a simple file swap.

### **3. Configuration**

The IP-AN-DD is set up and configured before it leaves the factory so that it can be installed on site and once connected the Tacera Austco LAN it will receive an IP address from the IPConnect server (ACS-100) and display active calls as would a Tacera GUI.

The configuration files loaded in the factory are to suit HD LCD monitors of at least 24".

Changes to the default configuration settings are carried out using Webmin. Webmin for the IP-AN-DD is slightly different to that of the ACS-100 and only the following menus are available:

- Bootup and Restart : To restart the IP-AN-LCD drive
- Change Password : To manage users password
- Change Time : To set the current time and/or the timezone
- LAN Configuration: To configure the network
- LAN Filtering: To configure firewall rules
- Messages Boxes: To access mailboxes
- Monitoring: To access the monitoring dashboard
- Running Processes: To manage running processes
- Shell: To access the batch command line of the IP-AN-DD
- System logs: To access system logs
- Tool Box: Various custom scripts for the IP-AN-LCD maintenance
- Upload Download Files Used to transfer files to and from the IP-AN-DD.

IPConnect has gone through some significant changes recently, especially with regards security access to the system. There are now multiple levels of security access for Webmin with the Webmin screen changing depending on which user has logged in. The usernames are

- Tacera Limited use access used to view log files etc. The passwords to access this level could be made available to admin or IT staff on site.
- Tech Access is designed for installation technicians and passwords to this level should only be made available to resellers

A comprehensive Technical Information Sheet covering the IP-AN-DD (TIS-006) will be available on the Austco website shortly.

### **4. Installation**

The IP-AN-DD is supplied with a mains powered powerpack and a short 300mm HDMI cable. In the case of the IP-AN-DD/D a small USB powered HDMI splitter and an additional two 300mm HDMI cables are also supplied.

The 115mm x 115mm x 40mm enclosure incorporates 4 thru-holes to match the Flat Display Mounting Interface (FDMI), also known as a VESA mount. This means that the IP-AN-DD can be neatly sandwiched between a LCD monitor and its mounting hardware.

The 300mm HDMI cables facilitate a neat connection between the VESA mounted IP-AN-DD and the LCD HDMI socket.

An installation requiring multiple LCD ceiling annunciators (all displaying the same information) could be achieved by installing IP-AN-DD in a central equipment or server room and utilising a combination of HDMI splitters and CAT-5 extenders.

## **5. Compatibility and Availability:**

The IP-AN-DD is fully compatible with IPConnect version 2.6.0.

When used with IPConnect 2.5.15 there are minor inconsistencies mainly with regards the Webmin "Show Austco Device Peers". The feature by which clicking the device IP address opens its Webmin interface is not available.

Whilst the IP-AN-DD can run with Tacera 2.5.15, it is highly recommended to upgrade to Tacera 2.6.0 as soon as it becomes available.

## **6. Ordering Information**

<b>Code</b>	<b>Description</b>
<i>IP-AN-DD</i>	<i>IPCONNECT LCD DISPLAY DRIVER (SINGLE DISPLAY)</i>
<i>IP-AN-DD/D</i>	<i>IPCONNECT LCD DISPLAY DRIVER (DUAL DISPLAY)</i>

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