

## Quick start

### Overview

The zero client forms part of a PCoIP® system. It provides connections for standard desktop peripherals: monitor(s), USB keyboard and mouse, stereo audio I/O and a wide range of other USB devices.

The second part of a PCoIP system is the 'Host' which is located in or near to a remote computer (workstation or server). The zero client and remote host communicate using a standard IP connection (LAN or WAN).

### In the Box

Unless ordered in bulk, the zero client will be supplied complete with an external power supply and appropriately localised IEC leads. Depending on the model, there may also be video adaptor cables.

### Manuals and updates

Full operating instructions and the latest firmware updates are available from the Amulet Hotkey website.

### Preparation

PCoIP devices can be configured using either the built in On Screen Display (OSD) or the Administrative Web Interface (AWI). The OSD appears when a monitor is connected to a zero client and power is first applied. The AWI can be accessed via a network using any browser to navigate to the IP address of the zero client or PCoIP host. DHCP is on by default. The zero client will attempt to acquire an IP address for up to two minutes. If it fails to find one, the default address is adopted (**192.168.1.50/24**). The default password for all Amulet Hotkey PCoIP devices is: **ahkdante**. **It is important that both the PCoIP host and zero client are running the same version of firmware. The AWI can be used to check firmware versions and install updates.**

### Indicators

The zero client is fitted with multi-colour front panel status indicators. A range of information can be communicated using these indicators and the following table gives a complete reference.

#### DX... iP Power LED

Red	Unit in standby
Green	Unit active

#### DX... iPM Power LED

Red static	Standby / Error config SFP or unsupported SFP
Red flash	Attempting to configure SFP
Blue static	Found & configured a fibre SFP - unit active
Green static	Found & configured a copper SFP - unit active
Blue/green	Found & configured a copper & a fibre SFP - unit active

#### T1 LED (dual and quad video head zero clients)

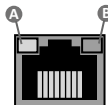
Red static	PCoIP processor running a self test
Green flash	PCoIP processor active, not in session
Green static	PCoIP processor active and in session

#### T2 LED (quad video head zero clients only)

Red static	PCoIP processor running self test
Red / amber	PCoIP processor active, not in session, front USB sockets connected to slave PCoIP processor
Amber static	PCoIP processor active and in session, front USB sockets connected to slave PCoIP processor
Green flash	PCoIP processor active, not in session, front USB sockets connected to master PCoIP processor
Green static	PCoIP processor active and in session, front USB sockets connected to master PCoIP processor

#### Rear panel RJ45

A Off	No network link
A Amber	1G connection
A Green	static 10/100M connection
B Off	No network activity
B Yellow flash	Activity on network



### Connections

If only one monitor is to be used, connect this to video output 1. A USB keyboard and mouse must be used and these can be connected to any two of the front panel USB ports. Connect to a network using a standard patch cable. For redundancy, some models have dual network connections. Only one needs to be connected for the system to work. The second port can be used to provide an alternate signal path for redundancy or can be used to pass network traffic through to another device. **Models fitted with sockets for SFP modules: please fit the modules prior to powering the zero client. Note that when both network ports are used it may be necessary to use Spanning Tree to prevent the creation of a data loop.**

**NOTE: There is a recessed switch on the front panel of the device. During configuration you will need to operate this switch using an appropriate tool. It helps to think of this device as two dual-video-head units on one box; you have to configure one and then the other - switching between the two using the recessed switch.**

### Connecting to a hardware PCoIP host.

With a monitor connected to port one power the zero client and:

- 1 Click on the Options menu (top left of OSD)
- 2 Select 'Configuration' from the drop down menu
- 3 Select the 'Discovery' tab. Ensure bottom box is unchecked.
- 4 Select the 'Session' tab. Set session type to PCoIP. Enter the IP address of the remote PCoIP host (MAC address is only required if the remote host is enforcing MAC address checking - off by default).
- 5 Click on OK then press the Connect button.

**Operate the recessed switch found on the front panel between the USB ports and the audio Connections. LEDs T1 and T2 will flash (T1 green, T2 orange). The orange flashing on T2 indicates the keyboard and mouse are now routed to the secondary PCoIP subsystem. Ensure that a monitor is connected to video output 3.**

- 6 Click on the Options menu (top left of OSD)
- 7 Select 'Configuration' from the drop down menu
- 8 Select the 'Discovery' tab. Ensure bottom box is unchecked.
- 9 Select the 'Session' tab. Set session type to PCoIP. Enter the IP address of the remote PCoIP host (MAC address is only required if the remote host is enforcing MAC address checking - off by default).
- 10 Click on OK then press the Connect button.

**Operate the front panel recessed switch again to change the keyboard and mouse back to the primary PCoIP subsystem for normal operation. If you were prompted to reset in any of the steps above, use the Standby button to power-cycle the zero client.**

### Notes on hardware connection:

- 1 If a live PCoIP session is in progress, the zero client will **not** display its OSD.
- 2 The network icon on the bottom right of the connect screen shows the status of the network connection. A red 'X' over the network icon indicates that the network is not properly connected or still being initialised.
- 3 The zero client must be properly configured before the Connect button on this screen will work.
- 4 It may be necessary to click the unlock button and enter a password before being allowed to make changes to the settings in these tabs.

### Ending a PCoIP session

To end a PCoIP session, simply press the disconnect switch on the front of the zero client. Connection settings are recorded in the zero client so that the next time it is powered up, all that is needed is for the Connect button to be pressed.