

AMX Network Manager

by Kentec & Hochiki

**Syncro AS/HFP
Elite RS/FireNET Plus**



AMX Graphics software

1. Introduction.

The Kentec/Hochiki network manager is specifically designed for use with the following Kentec and Hochiki panel brands:

Kentec

Syncro AS

Elite RS

OEM branded variants of Syncro/Elite RS

Hochiki

HFP

FireNET Plus

2. Panel Setup

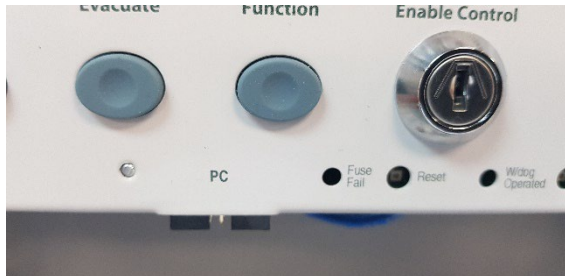
The panel must be configured with the Graphic option enabled; this is done through the LE2 configuration software, see screenshot below:

The screenshot shows the 'Configure Panel Settings - Syncro AS/ASM Hochiki' window. The 'Details' tab is selected. The 'Name' field is 'AS/ASM Hochiki'. The 'Panel Address' is '1' and 'Master Node' is checked. The 'Access Level 3 Code' is '3 3 3 3' and 'Access Level 2 Code' is '2 2 2 2'. The 'Zone Indicators' section shows 'Number of Zone LED Indicators on Panel' as '16' and 'Zone of First LED Indicator' as '1'. The 'Options' section has 'Graphics System' checked and circled in red. The 'Number Of Loops' section has '1 Loop' selected. The 'Loop Protocol' section shows the 'HOCHIKI' logo. The 'Loop Offset' section has 'Loops are Offset' unchecked. The 'Fire Output' section has 'Common' selected. The 'Sub Addresses' section shows '000 / 800 in use' and '000 Total Devices'. The 'Def Ring Mode Outputs' section has 'Resound for fire in other zone' checked. The 'Panel Text' section shows 'New Site'.

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Enabling the Graphics System allows the heartbeat handshake between the panel and PC.

The AMX PC is connected to the panel via the socket labelled PC on the panel facia as shown below.



PC port on Syncro AS and HFP is on the bottom edge of the facia plate below the Evacuate and Function buttons.



PC Port on Elite RS and FireNET Plus is located on the left hand side of the internal facia plate.

Important!

This port does not function on Elite RS/FireNET Plus panels with a dialer. Therefore, it is not possible to connect a graphics system to a panel which has a dialer fitted.

3. Additional hardware requirements

Connection to these panels is via serial RS232 using the panels Printer Port. The parts for connecting the panel to the graphics PC will depend on the communication distance, see tables

1, 2 and basic connection diagrams.

Table 1 – Communication distances up to 15m (50ft)

Part no.	Description
S187	Software Download Lead standard (To be ordered separately)
-	Isolated USB-RS232 serial converter (Commercially available)*

* Must be isolated if not earth fault will be generated on the fire control panel.

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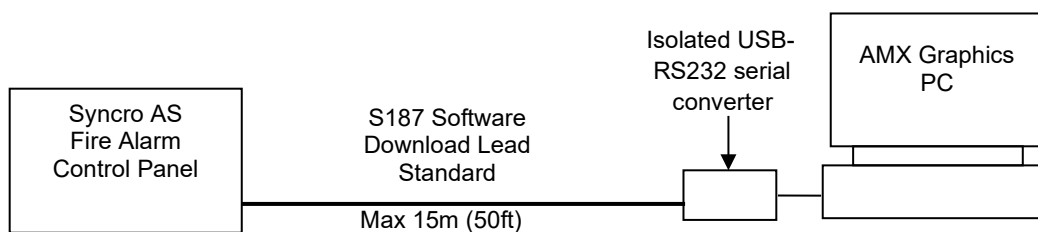
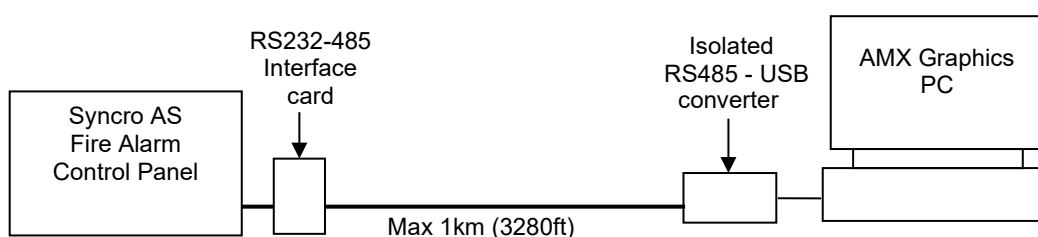


Table 2 – Communication distances up to 1km (3280ft)

Part no.	Description
S572	USB to RS232 converter (to be order separately) Consists of: RS232-485 interface card, RS485 to USB isolated adaptor and FACP connection cables.



4. Panel Controls

Full control of the Kentec/Hochiki panels listed in section 1 is only available when the node type is set to Syncro Enhanced.

Using the Syncro Enhanced setting the following control actions can be achieved from the AMX:

- Reset Panel
- Silence Network Alarms
- Disable Device
- Enable Device
- Disable Zone
- Enable Zone
- Evacuate Panel
- Alert Panel

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Silence Panel Alarms
Evacuate Network
Reset Network
Alert Network

5. Initialisation

When the system is first started any events already in the fire panel system will not be displayed on the AMX. Upon start up a reset box will be displayed providing the operator with a quick and easy method of getting the current data. If the operator decides not to get the current events just close the box, any new events will be displayed as normal.

6. RS232 Connection

The AMX PC connects to the Kentec panel using RS232 serial communications. An RS232 lead connects a COM port (serial port) on the AMX PC to the serial port on the Kentec panel labelled 'PC'. This is a panel specific lead that is used for uploading and downloading configurations to the panel and can be purchased from the panel supplier. A USB to Serial adaptor will also be required.

The maximum length of RS232 connection allowed is approximately 15 metres.

7. Specifications

Panel, Loop, Device Range	Panels in a Network: 64 Loops per panel: 1 or 2 Devices per loop: 127 Hochiki (254 inc. sounder Base addresses), 126 Apollo
Alarms and Events Accepted	Fire Alarm (<i>AMX input type 00</i>) Security Alarm (<i>AMX input type 01</i>) Pre Alarm (<i>AMX input type 02</i>) Test Mode (<i>AMX input type 03</i>) Disablement (<i>AMX input type 04</i>) Tech Alarm (<i>AMX input type 06</i>) Fault (<i>AMX input type 08</i>) Fault (<i>AMX input type 10</i>)
AMX1 RS232 ports required	One for a single network connection.
RS232 port range	COM1 to COM255
RS232 port settings	Baud rate: 19200 Parity: none Data bits: 8 Stop bit: 1