



## Kentec AMX Network Manager Instructions

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**Kentec AMX Network Manager**



## 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

## Panel Setup

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

**Configure Panel Settings - Syncro AS/ASM Hochiki**


Panel Data   Times   Network Interface   Loop Sounder Options

**Details**  
 Name: AS/ASM Hochiki   Panel Address: 1   ☒ Master Node

**Access Level 3 Code**  
 3 3 3 3

**Access Level 2 Code**  
 2 2 2 2

**Zone Indicators**  
 Number of Zone LED Indicators on Panel: 16  
 Zone of First LED Indicator: 1

**Loop Protocol**  


**Options**  
☐ Panel Modem  
☒ Graphics System  
☐ Hide Disarm Event for active delays  
☐ Delays active on Initialization  
☐ Ignore Global C&E Disarmament  
☐ Display Invert

**Def Ring Mode Outputs**  
☐ Any 2 devices to bypass delays - Def Ring Mode Outputs Only  
☐ Resound for fire in same zone  
☒ Resound for fire in other zone

**Number Of Loops**  
☒ 1 Loop  
☐ 2 Loops

**Loop Offset**  
☐ Loops are Offset

**Fire Output**  
☒ Common   ☐ Marine Mode  
☐ Zonal  
☐ Two Stage

**Sub Addresses**  
 000 / 800 in use  
 000 Total Devices

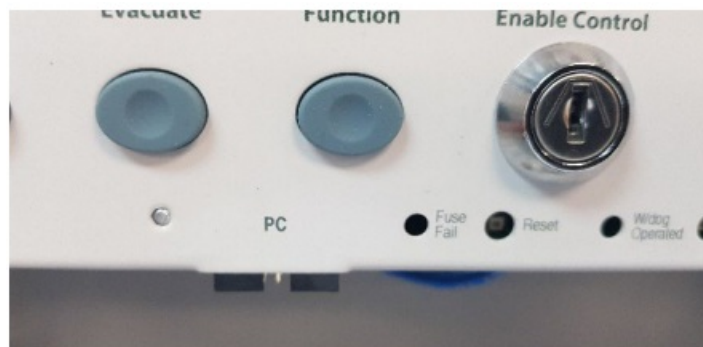
**Panel Text**  
 New Site

OK Cancel

## AMX Graphics software

AMX Network Manager – Syncro/HFP/FireNET Plus Man-1585 Rev.02 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 fascia as shown below.

- PC port on Syncro AS and HFP is on the bottom edge of the fascia 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 fascia 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.

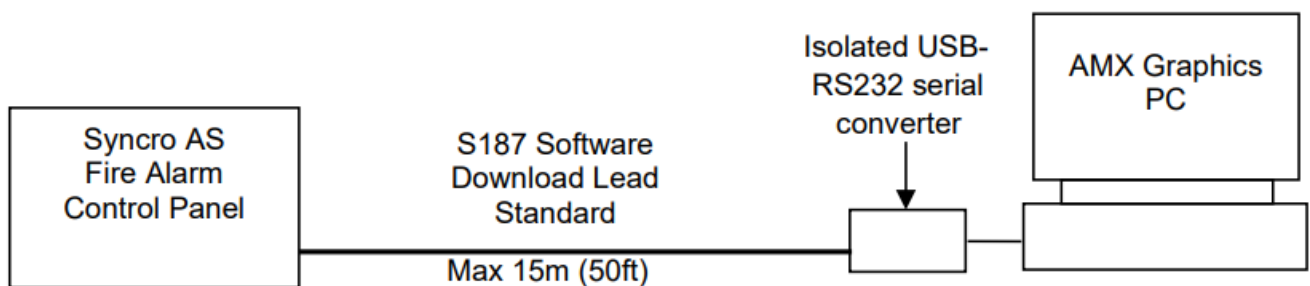
### Additional hardware requirements

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)**

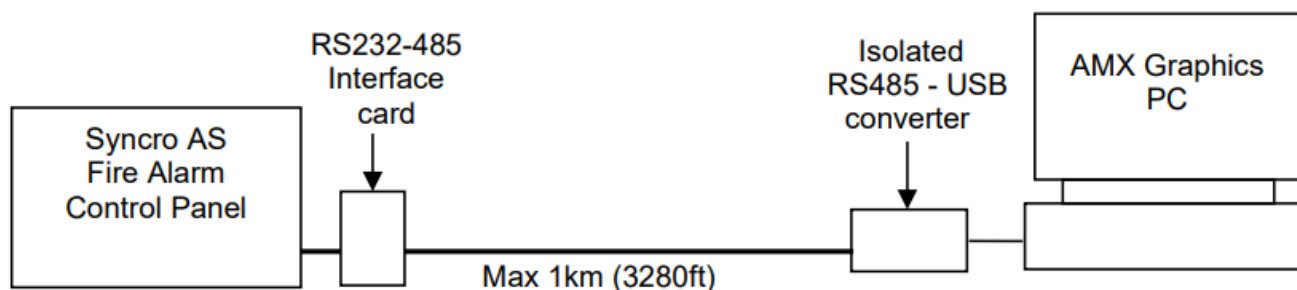
| Part no. | Description   |
|----------|---|
| S187     | Software Download Lead standard (To be ordered separately)    |
| –        | Isolated USB-RS232 serial converter (Commercially available)* |

### AMX Graphics software



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

| Part no. | Description   |
|----------|---|
| S572     | <p>USB to RS232 converter (to be order separately)</p> <p>Consists of: RS232-485 interface card, RS485 to USB isolated adaptor and FACP co nnection cables.</p> |



## 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
- Silence Panel Alarms
- Evacuate Network
- Reset Network
- Alert Network

## Initialization

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.

## 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 (AMX input type 00) Security Alarm (AMX input type 01)
- Pre Alarm (AMX input type 02)
- Test Mode (AMX input type 03)
- Disablement (AMX input type 04)
- Tech Alarm (AMX input type 06)
- Fault (AMX input type 08)
- Fault (AMX input type 10)

- **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

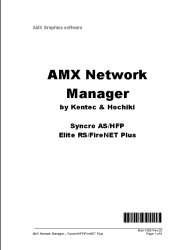
AMX Network Manager – Syncro/HFP/FireNET Plus

## FAQ

**Q: Can I connect a graphics system to a panel with a dialer?**

A: No, it is not possible to connect a graphics system to panels with a dialer fitted.

## Documents / Resources

|   |  |
|---|--|
|  | <p><a href="#">Kentec AMX Network Manager</a> [pdf] Instructions<br/>Syncro AS, Elite RS, FireNET Plus, AMX Network Manager, AMX, Network Manager, Manager</p> |
|---|--|

## References

- [User Manual](#)

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