

Cabling Advisory

Please ensure that all service technicians and cable installers have access to this Cabling Advisory. The Cabling Advisory should be read in conjunction with the previous Minimum Technical Requirements for EMS (Cabling and Site Controller) Advisory. This is available on the on the DIA website, www.dia.govt.nz (Go to Gambling >>> Electronic Monitoring System (EMS) >>> Minimum Technical Requirements for EMS (Cabling and Site Controller))

1. Jackpot Controller Connection to Intralot Site Controller

If the venue has a Mikohn, Translux and Fortune non-downloadable jackpot controller, it must be connected to the site controller.

If there is an existing pre-EMS jackpot controller cable connection to the venue computer that is used to retrieve jackpot audit data and/or used by manufacturer service technicians to configure the system, this connection is now used under EMS operation to connect to the site controller.

The requirement under EMS is for venue computers to connect to the site controller and for the site controller to permanently connect to the jackpot controller. The site controller will communicate with the jackpot controller for jackpot audit data.

Note: Manufacturer service technicians can still access the jackpot controller by temporarily disconnecting the site controller cable.

You will need to ensure there is enough slack in the cable at both ends to allow for internal placement of the cable within the site controller cabinet and the jackpot controller locked secure area.

All cabling is standard serial cable in accordance with the EIA RS-232 standard. Use of low capacitance cable may allow runs in excess of the nominal 15 meters providing consideration is also taken of the signal baud rate.

Consideration should be given to keeping runs as short as possible, and the use of shielded cable. Both site controller and all jackpot systems use DB9 type connectors. Ensure that cable connector are properly inserted and secured into the correct socket.

Use of non-standard cable and run lengths in excess of that specified for the RS-232 standard have not been evaluated and while RS-232 has in practice allowed some variance (e.g. use of CAT5/6) this should not be assumed for the current requirement to connect to the site controller.

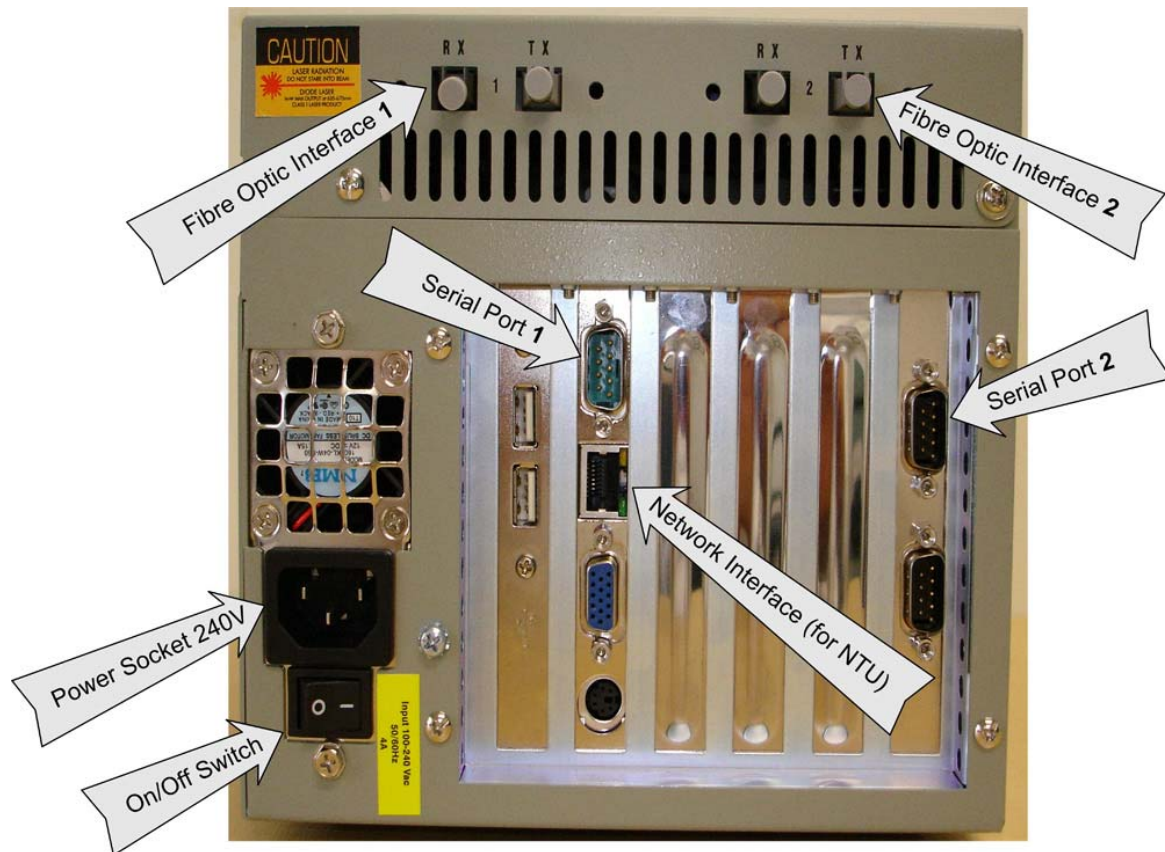
A Intralot Site Controller

The site controller socket for jackpot cable connection is a DB9 **male**. It requires **the site controller end of jackpot cable to be terminated with an appropriate DB9 female connector**. Allow sufficient slack for positioning of cable within the cabinet.

Clearly identify the site controller end of the jackpot controller connection cable by marking (using indelible ink felt pen) the DB9 cable connector or cable with the letters 'JPC'. Alternative methods of marking can be used providing they are permanent and cannot be inadvertently removed.

Site Controller DB9 Female	
DB9	Signal
2	RD
3	TD
5	SGND

**RS232
CABLE**



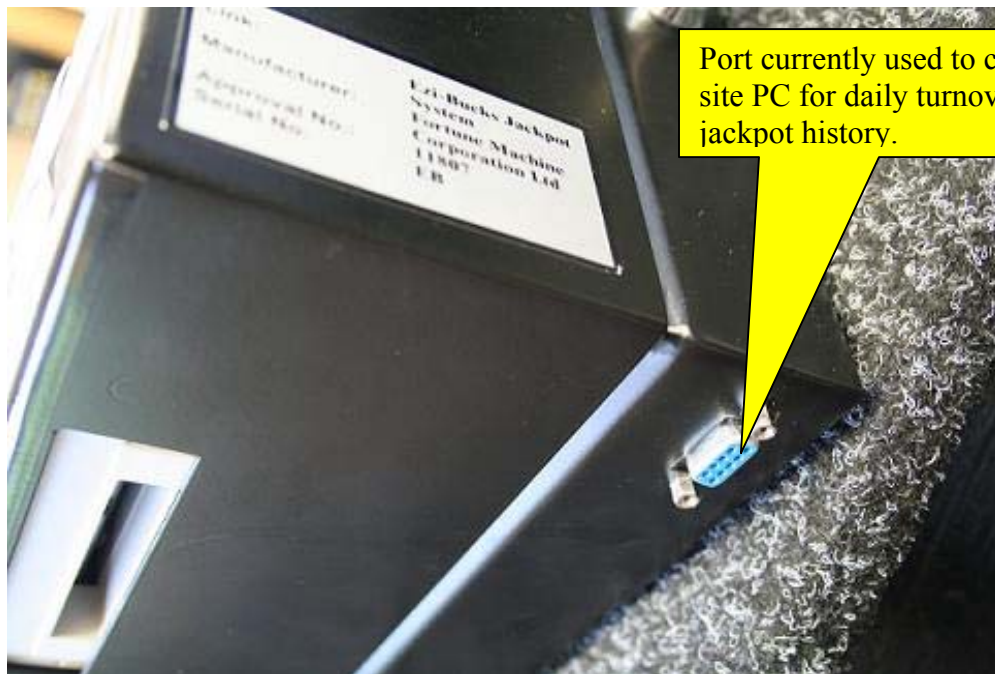
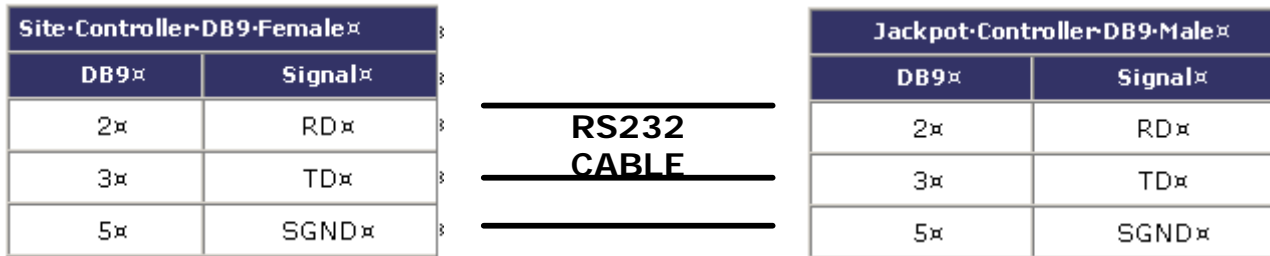
B Fortune Jackpot System

The jackpot controller connector is located on the Jackpot System Operator Panel. In most installations this panel is located behind the bar, or in a convenient location to allow venue staff to reset the jackpot. The connector was previously used for the venue management system, EziBalance, if installed at the venue.

The jackpot controller socket for jackpot cable connection is a DB9 **female** and requires the jackpot controller end of the jackpot cable to be terminated with the appropriate DB9 **male** connector.

1. The Manufacturer Specified cable Beledin 1419A 4 core stranded and screened cable should be used.
2. Speed 9,600 Baud

Use of Cat5 not recommended. Societies using a cable other than that recommended or equivalent do so at their own risk. No testing has been done other than using the standard cable.



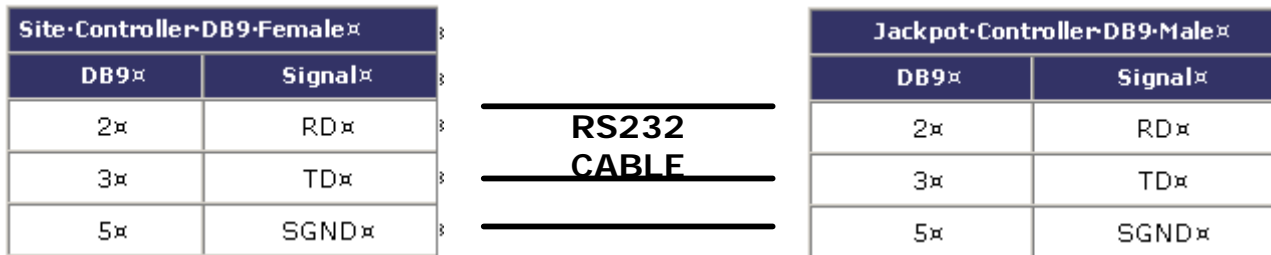
C Translux Controller

The jackpot controller is located in a secure locked area, usually in the base of one of the venue's gaming machines.

The jackpot controller socket for jackpot cable connection is a DB9 **female** and requires the jackpot controller end of the jackpot cable to be terminated with the appropriate DB9 **male** connector.

1. There is no specific cable recommended. Cat5 is typically used for the connection of the venue PC direct to the site controller with no known issues.
2. Speed 9600 Baud.

Allow sufficient slack for positioning of cable within the cabinet.

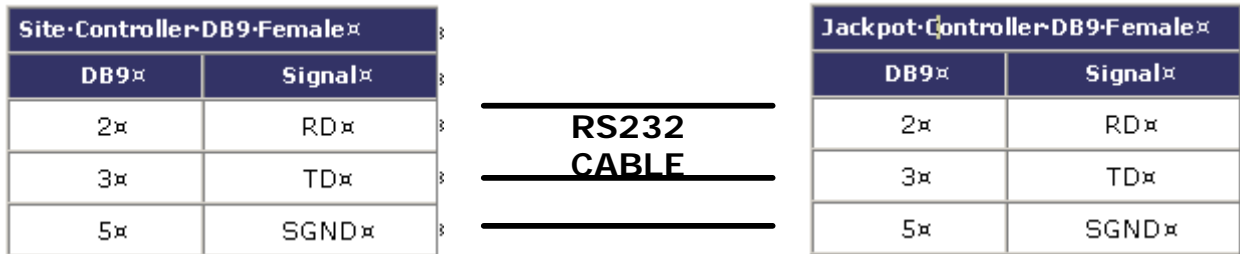


D Mikohn Controller

The jackpot controller is located in a secure locked area, usually in the base of one of the venue's gaming machines.

The jackpot controller socket for jackpot cable connection is a DB9 **male** and requires the jackpot controller end of jackpot cable to be terminated with the appropriate DB9 **female** connector.

1. No specific cable is recommended. Cat5 is typically used for the connection of venue PC direct to the site controller with no known issues.
2. Speed 9600 Baud.



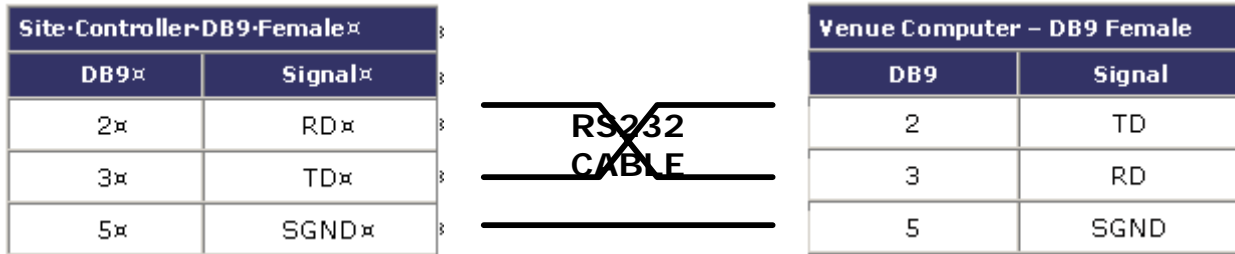
2. Site Controller Connection to Venue Computer for Electronic Meter Access (EMA)

Standard RS232 cable is used. Pins 2 and 3 need to be reversed at the venue computer end of venue computer connection cable.

Identifying the site controller connector at the end of the venue computer connection cable is optional. If you are marking the connector or cable, do so with the letter V (as for jackpot controller connection).

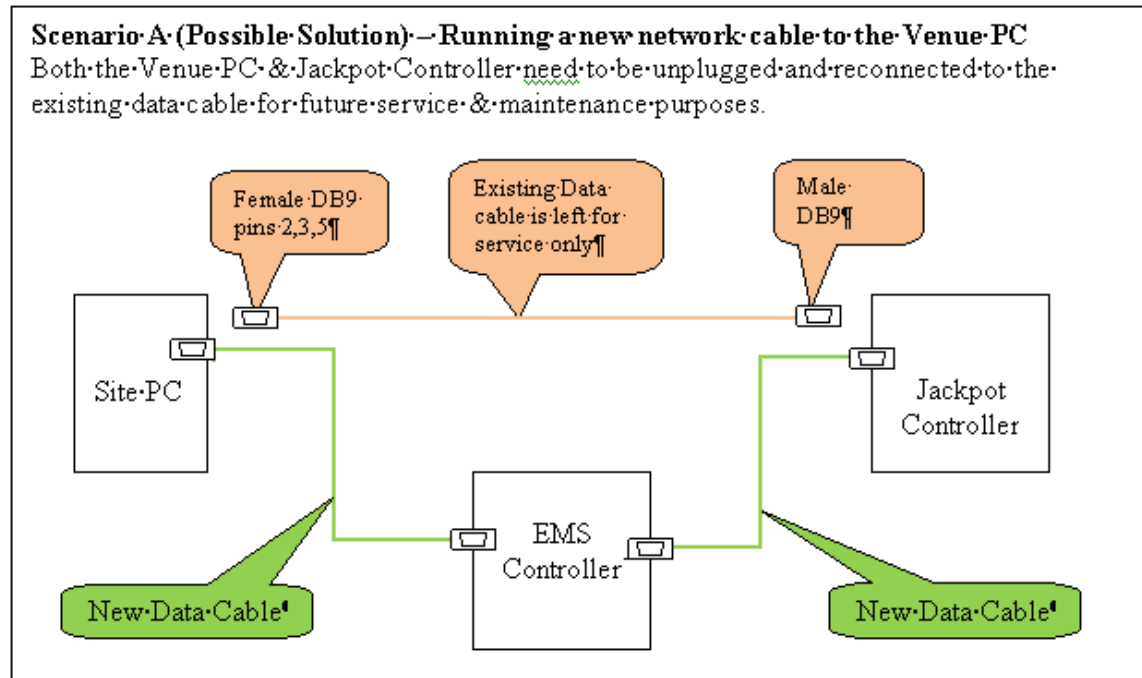
The venue PC must run Windows 2000 or Windows XP to be able to execute the Intralot supplied EMA application.

Note: The EMA application has not been tested on earlier versions of Windows operating systems.

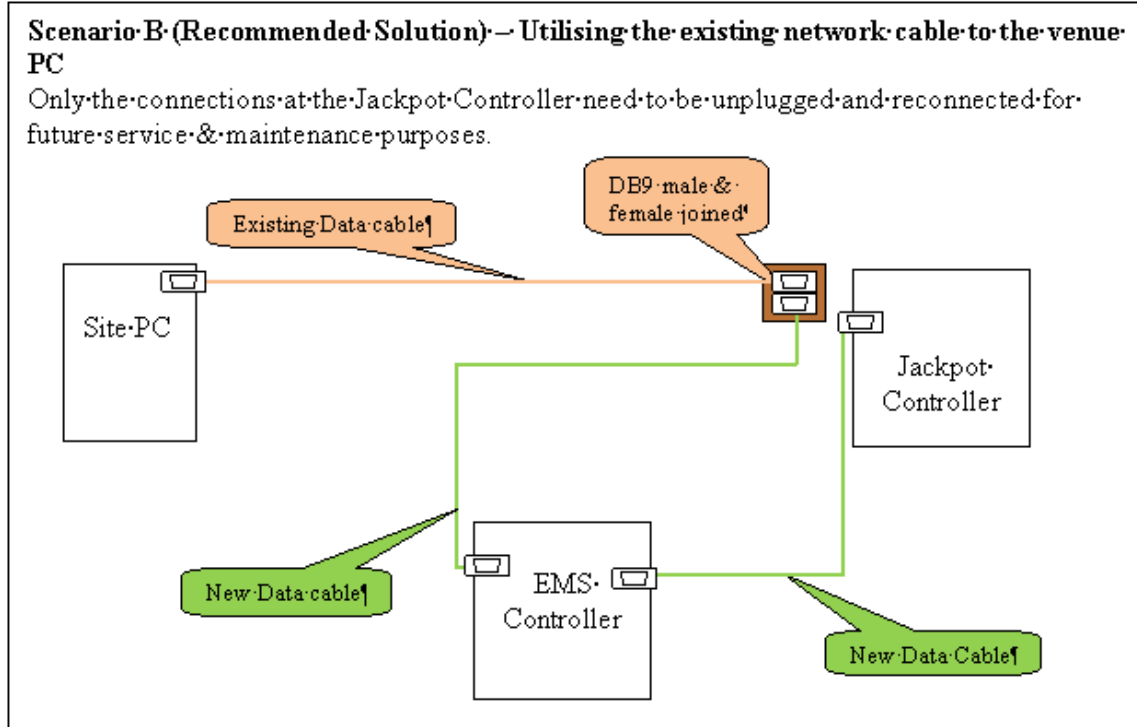


Site Controller and Venue Computer Cabling Scenarios

The typical arrangement corresponds to the **scenario A** shown below. Configuration and maintenance of jackpot controller requires the site controller to be disconnected from the jackpot controller temporarily. The service technician would then connect to the jackpot controller directly via a laptop or such.



However, **scenario B** may be preferable in order to retain the current Venue computer connection to the jackpot controller so that service technicians can make use of the venue PC (as for example recommended by Fortune Corporation for servicing their jackpot systems).



The joining of the 2 cables is acceptable providing it is within the limits for RS-232 or preferred cable type, and the connectors are clamped or screwed together.

Note: Please ensure the EMS Help Desk is advised before the jackpot controller is disconnected from the site controller for servicing or configuration.