

Interface to GestHotel through TCP/IP

For information and required files you can download the zip file from:

http://www.omnitec-systems.com/download/dll/gesthotel_tcpip_en.zip

This file has inside:

- Interface DLL v2-en.pdf --> Information about the function of the DLL file to making all GestHotel cards.
- InterGH.dll --> DLL file which has functions to issue GestHotel cards. You have to copy into GestHotel folder (c:\Program files\btv\gesthotel)
- GestHotel_TCPIP.exe --> Resident exe file which hear orders in TCP/IP port. Also copy into GestHotel folder.
- This PDF file (Interface TCPIP-en.pdf)

To make tests you can download the latest GestHotel version from this link:

<http://www.omnitec-systems.com/download/5.2/setup.exe>

And GestHotel manual from here:

<http://www.omnitec-systems.com/download/manual/gesthotel-en.pdf>

or

<http://www.omnitec-systems.com/download/manual/gesthotel-ru.pdf>

I have not yet finished all complete documentation, so I send this notes:

- In the remote computer is not necessary to have GestHotel installed, only in the front desk computer
- Programs communicate each other using TCP/IP protocol by a port number you have to configure in GestHotel

Register format:

- Registers have STX and ETX characters at the beginning and at the end of every register. STX is the chr 02 and ETX is the chr 03.
- Fields are separated by the | character (pipeline, chr 124). At the end of every register always must be a | and a ETX.
- To send parameters you have to know the correct order to send (check PDF file). ALL parameters must be received by GestHotel. If any field has no data or is empty, you must send || (2 pipelines).

Register types:

- GHHU -> is the "InterGH_TarjetaUsuario". You must send parameters in the same order as in the PDF file "INTERFACE DLL v2-en.pdf".
- GHRE -> is the returned parameter. Look at the end of the PDF the "Error Code" parameter for complete description. When this parameter returns 25 it means "Incorrect parameter number".
- GHLH -> is the "InterGH_LeeHabitacion". You must send parameters in the same order as in the PDF file "INTERFACE DLL v2-en.pdf". Only you need to send first parameter (NumLec). The function then will return the rest of the parameters in the following order:

GHRE|CodError|NumHab|EntFec|EntHor|SalFec|SalHor|Pista2|

If we want to read also data in track 2 (Pista2), we'll need to send "READ" in this parameter, so we'll need to send parameters in this way:

GHLH|1| | | | |READ|

- GHLT -> is the "InterGH_LeeTarjeta". You must send parameters in the same order as in the PDF file "INTERFACE DLL v2-en.pdf". Only you need to send first parameter (NumLec). The function then will return the rest of the parameters in the following order:

GHRE|CodError|TarTip|TarNum|NumHab|Valida|NumSec|EntFec|EntHor|SalFec|SalHor|Pista2|

- LA -> Link alive. To know if the connection is alive. When GestHotel receives this parameter, it returns the same parameter. You must send regularly this parameter to check connection. If no response received, you must restart your connection process. GestHotel will do the same in its side.

Format of LA parameter: " LA|DA071109|TI143436| ", where DA is the current date in YYMMDD format and TI is the current in HHMMSS format. Always must be sent "DA" and "TI".

Register samples:

" GHHU|1111|20071109|1200|20071110|1200|1112||0|000000000|1|0|976108088976107201|N|1|PC_JFN| " --> Guest card.

You must see the "3rd additional room" is empty, just next the "1112" field

" GHRE|00| " --> No error returned

" LA|DA071109|TI143436| " --> link alive in 09/11/2007 at 14:34:36