

# ConnectKernel

## Function

The function **ConnectKernel** establishes a connection to [D2000 Server](#) and must be called before use of [executive functions](#) of the interface [D2000 ObjApi](#). The function also initialises internal variables of **D2000 ObjAPI** according to its [start parameters](#).

## Declaration

```
APIRET _stdcall ConnectKernel(NewValueProc proc, unsigned short timeout);
```

## Parameters

The parameter *proc* is pointer to the function [NewValueProc](#), which will handle the message *NewObjectValue*, notifying a change of an object value. The parameter *timeout* defines a maximal time [sec] how long the function waits for establishing connection. If the value of the parameter *timeout* is zero, the function waits infinite. This value will be used later for another executive functions as a maximal response wait time (except the functions [ListOfObjects](#), [GetArchivData](#), [GetLogData](#) where is defined own timeout).

## Return code

Code	Description
API_OK	It signalizes a correctly established connection to <a href="#">D2000 Server</a> .
API_TimeoutError	<a href="#">D2000 Server</a> is running, but the connection was not established in given time.
API_ConnectError	Required <a href="#">D2000 Server</a> is not available.



### Related pages:

[ObjApi - Initialisation functions](#)