

# ProboTEK

## Z0C

### API Reference

This is the API reference handbook for the **Z0C** (ZeR0-Connect) protocol. You are free to utilize the A.P.I as you see fit and build applications for IoT, IoD, Smart Cities, Smart Factories, etc. There is no limit in what you can achieve with the protocol. For instance, Z0C is the base of the **TMS** App (Tiny Messaging System) and the core of the intercommunication technology among **AIRFLOW** swarm of drones.

#### Technical Details

Supported O/S: *Windows 7/8/10*

Programming interface: *The current implementation supports C# & VB.NET*

Namespace: *ZeR0\_Connect*

Class: *Z0C*

Data throughput capability: *Maximum of 24 bytes (broadcast) / 20 bytes (unicast)*

#### API

1. Method: **UID()**  
Description: *Get the random generated UID that will be used for every communication. The UID is automatically generated upon initialization of the Z0C class.*
2. Method: **Sense()**  
Description: *Sense for Z0C messages. The sensing time is dependent on your WiFi controller capabilities and the O/S configuration. Typically this takes up to 3 seconds.*
3. Method: **Broadcast(string Message)**  
Description: *Transmit a message to all devices (Max: 24 characters).*
4. Method: **Unicast(string Message, string UID)**  
Description: *Transmit a message to a device with the specified ID (Max: 20 characters).*
5. Method: **Terminate()**  
Description: *Termination of any transmission or sensing.*

## Usage

1. Reference the “ZeR0-Connect.dll” in your project
2. Write: `var MyZ0C = new Z0C();` (Example in C#)
3. Use “MyZ0C” API methods

## **ProboTEK**

<https://probotek.eu>

<https://github.com/g0d/z0c-protocol>