

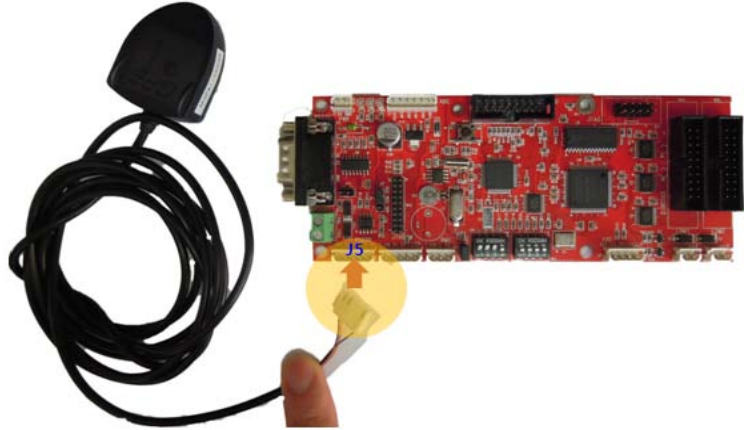
## How to Set up GPS Time Receiver

### 1. Introduction

When GPS Time Receiver installed, the DIBD controller can receive precise time from the satellite and display it on the sign.

This guide describes how to set up the model of "GP631" of "Ascen

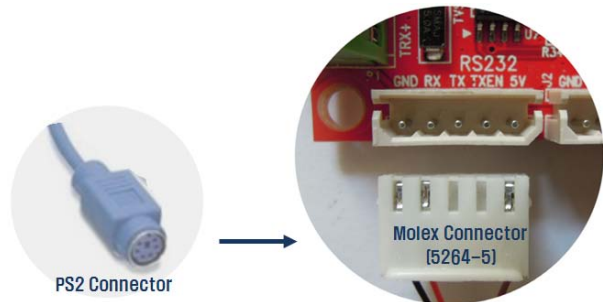
Korea(<http://ascen.co.kr>)" which we recommend to use.



### 2. Preparation : Modifying GPS Connector

Once you buy GPS time receiver, cut the PS2 Connector part out, and modify it to use Molex Connector(5264-5).

Line color of receiver	Pin of Molex	Pin of J5 of DIBD
Black	Pin 1	Ground
Orange	Pin 2	TX
Brown	Pin 5	5V



### 3. Initial Setting Procedure

- ① Set up DIBD communication speed to "9600BPS" which is the default value for GPS631.
- ② Connect GPS time receiver to J5 of DIBD.
- ③ Place the head of the receiver in an outdoor position where it could receive the satellite signals well.
  - ☞ When the GPS time receiver initially connects with the satellite, it could takes about 15 minutes. During this period, the receiver shall be put on the open space .
- ④ Supply power to DIBD.
- ⑤ After completing the initial connection with the satellite for 15~20 minutes, the receiver will start blinking LED right(red) and start working.