

## CGY760R & GPB-1 Features

### CGY760R

3 axis heading hold gyro included receiver and head speed governor for helicopter



### Features of CGY760R

- It is combined the receiver, the head speed governor and 3 axis heading hold gyro. So, the wiring processing is easy when it is installed.
- It is successor of CGY750. Functions and setting parameters basically follow CGY750 Ver.2.0.
- Small and right weight. (size : 37.5 x 26.8 x 16.0 mm, weight : 20.2g)
- It is the anodic oxidation coating on aluminum case. So the appearance is also luxurious.
- There are screw holes for installing to the metal mount of helicopter at the bottom of the case.
- The firmware update is available. (CIU-2 or CIU-3 is necessary.)
- The wireless setting of some parameters is available through trainer function of the transmitter connected with GPB-1.
- 760 uSec swash servo (under planning) will be available.

#### **【Gyro section】**

- Advanced and adaptive PID control loop which is proved by CGY750.
- Corresponds to various mounting directions.

#### **Rudder (Yaw)**

- Digital (1520uSec / 760uSec) and Analog (1520uSec) servo are available.
- 2 types of setting method, 3D and Sports.
- Feedforward operation is implemented.

#### **Aileron (Roll), Elevator (Pitch)**

- 2 types of setting method, F3C and 3D.
- Supports H3-90 / H3-120 / H3-140 / H4-00 / H4-45 swashplate types.
- Digital (1520uSec / 760uSec\*) and Analog (1520uSec) servo are available.  
(\* 760uSec mode is for the future.)

### **【Head speed governor】**

- Advanced and adaptive PID control loop which is proved by CGY750.
- Capable of governing head speeds from 700 RPM to 4000 RPM.
- Digital (1520uSec) and Analog (1520uSec) servo are available.
- Governor or Revolution limiter mode selectable.
- Cutting edge control algorithm provides more consistent RPM governing.
- Revolution sensor is Compatible with the GV-1 and CGY750. The CGY760R also supports an optional back plate revolution sensor.
- RPM data can be send to the transmitter. (Telemetry function)

### **【Receiver section】**

- FASSTest (18CH mode / 12CH mode) and T-FHSS Air is available. (It is selectable on GPB-1.)
- Antenna diversity. (2 antennas are installed.)
- Telemetry functions. (Battery voltage, S.BUS sensor connected to S.BUS2 port and RPM data)
- ID-LINK method is same manner to other FASSTest or T-FHSS Air receivers.

## **GPB-1**

Program box for CGY760R



### **Features of GPB-1**

- It is the program box for CGY760R. It is connected to the dedicated port on CGY760R.
- 128 x 64 dots monochrome graphic LCD with backlit (same as T12K, T10J and T6K)
- 4 edit push keys and beeper
- The power is provided from CGY760R.
- After turning on, it take the setting parameters from the connected CGY760R and it memories them to nonvolatile memory.
- The wireless setting of some parameters is available through trainer function of the transmitter connected to GPB-1 by the dedicated cable.

Photo of CGY760R

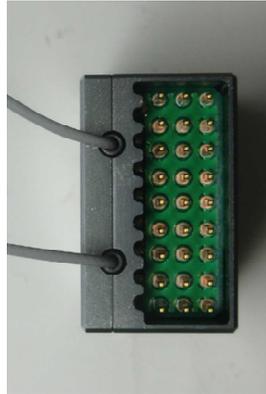
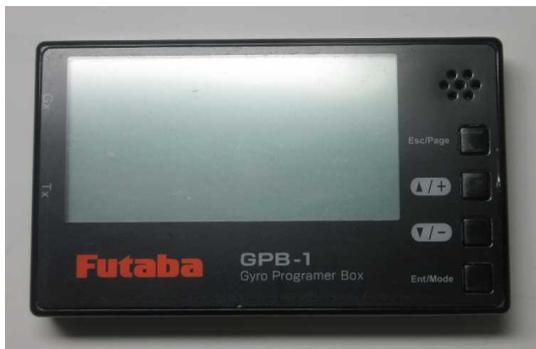
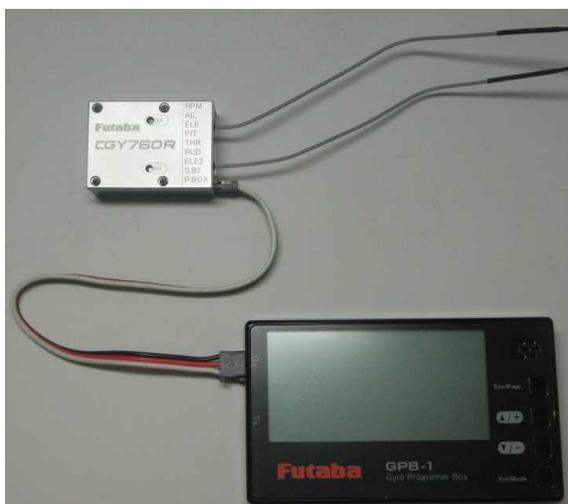


Photo of GPB-1



Connection of CGY760R and GPB-1



Connection of GPB-1 and Transmitter

