1. Feature of CarPC JoyCon Exr

Hardware feature
- Converts resistive and digital steering wheel remote controls into USB HID keyboard
  and HID remote controller
- Resistance range adjustable
- Works same as standard USB HID keyboard and HID remote controller by hardware
- 24V tolerant 4 channel resistive(voltage) input
- Supports 28 physical buttons, 52 programmable logical buttons
- Long and Short button for one physical button, up to 5 simultaneous key strokes by one button.
- 2 programmable LED port
- Remote wake-up(resume PC from sleep with steering wheel remote controls)
- Channel Master/Slave selectable
- Temperature range : -40 ~ +85°C

JoyCon Explorer feature(for Windows PC)
- Preset switching by buttons.
- Application Launcher(application launches and pops up with preset switching).
- Voice and OSD by button and preset switching.
- User definable button voice and OSD.
- Rearview by reversing light
- Online firmware update.

- No external power or driver installation needs.
- Available OS : Windows 8, Windows 7, Vista, XP, 2003
JoyCon Explorer supports Windows XP and the later version.
JoyCon Explorer does not support Linux, Mac. But CarPC JoyCon Exr works on Linux and Mac after it is configured at Windows.
JoyCon Explorer does not support Android devices. But CarPC JoyCon Exr works on Android devices (from Android version 3.1) after it is configured at Windows.

2. Contents

JoyCon Exr

Input Cable x4

LED Cable x2
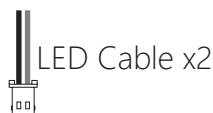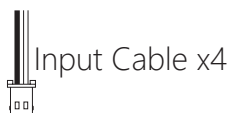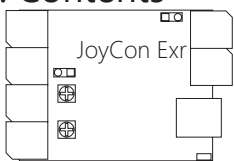
Heat shrinkable tube x2
Short Manual
(USB A-mini B 5P cable and JoyCon Explorer
CD is optional. You can download JoyCon
Explorer at www.rcjoycon.com)

3. Wiring

Connect CarPC JoyCon Exr's input channel(CH A, CH B, CH C, CH D)wire to the remote control's resistive signal wire.

Data

GND(Black) CarPC JoyCon Exr
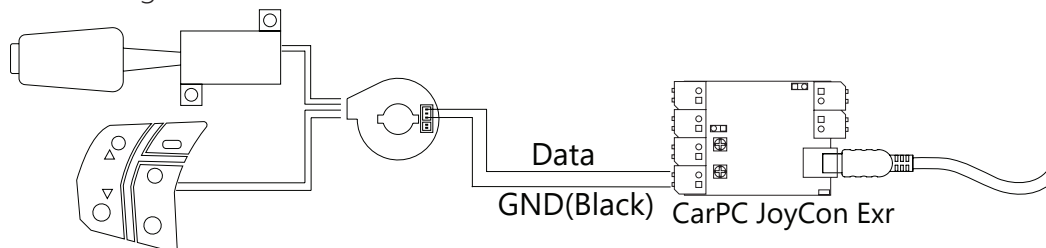
Remote Controls

Warning!! Do not connect signal and GND wire reversely.
If the buttons in JoyCon Explorer are too close each other, tune the Adjustment A/B.

4. Board Layout

Black
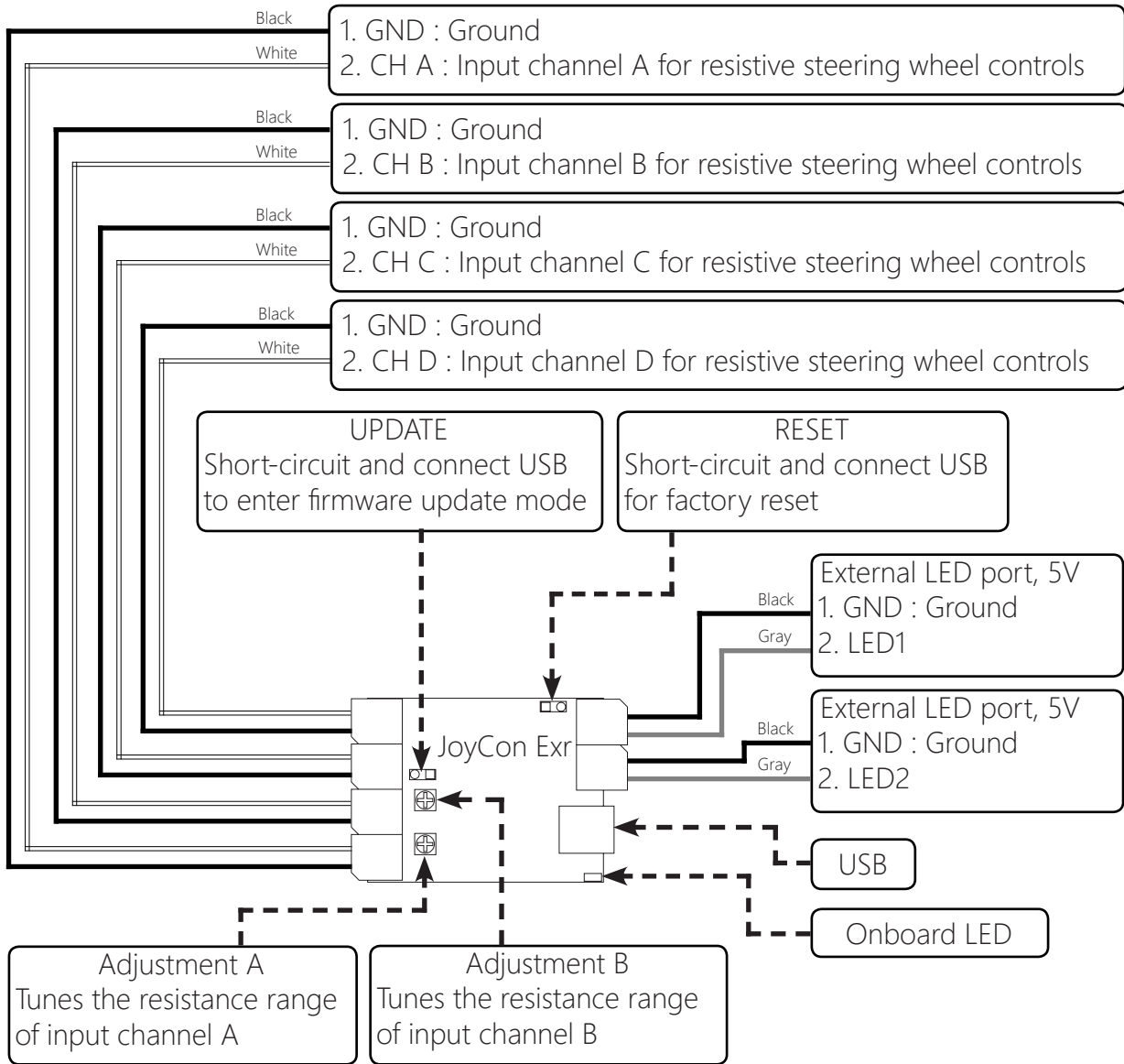White

1. GND : Ground
2. CH A : Input channel A for resistive steering wheel controls

Black
White

1. GND : Ground
2. CH B : Input channel B for resistive steering wheel controls

Black
White

1. GND : Ground
2. CH C : Input channel C for resistive steering wheel controls

Black
White

1. GND : Ground
2. CH D : Input channel D for resistive steering wheel controls

UPDATE
Short-circuit and connect USB
to enter firmware update mode

RESET
Short-circuit and connect USB
for factory reset

External LED port, 5V
Black
1. GND : Ground
Gray
2. LED1

External LED port, 5V
Black
1. GND : Ground
Gray
2. LED2

JoyCon Exr

USB

Onboard LED

Adjustment A
Tunes the resistance range
of input channel A

Adjustment B
Tunes the resistance range
of input channel B

The latest JoyCon Exr full manual is at
http://www.rcjoycon.com/mn/cpjexr