

January 13, 2017

Federal Communications Commission
7435 Oakland Mills Road
Columbia, MD 21046

FAMILY CERTIFICATION INFORMATION DECLARATION LETTER

We are requesting a Class 2 Permissive Change to FCC ID: QGH-DDMX1. The original filing was for the DDMX1 light controller. We are proposing some minor changes to the logic and power circuitry to create three new models. All three models will use the same RF circuit (on the logic board) and the changes to the logic and power boards are described in the following:

All of the catalog items listed below consist of two pc boards: power and logic. The RF circuit is incorporated into the logic pc board.

The differences between DDMX1 and DDE06, DD710, DDF01 assemblies do not affect the RF circuit. The differences are described below.

Catalog Item	DDMX1	DDE06	DD710	DDF01
Logic PCB	A9391	B1152	B1152	B1152
Power PCB	A7711	A8518	B1752	A8517

Difference between Power PCBs:

A7711: Switch-mode power supply (SMPS); uses neutral wire; controls load with triac.

A8518: Switch-mode power supply (SMPS); uses neutral wire; controls load with two MOSFETs.

B1752: Switch-mode power supply (SMPS); uses neutral wire; controls load with relay.

A8517: Switch-mode power supply (SMPS); uses neutral wire; controls load with three Triacs.

Difference between Logic PCBs:

A9391: RF portion containing TI CC2541 microcontroller. Non-RF circuit contains ST STM8L101K3T6 microcontroller.

B1152: RF portion containing TI CC2541 microcontroller. Non-RF circuit contains ST STM8L151K4T6 (more memory but same pinout as 9391) microcontroller.