

Operation Description

Model No.:DM-3157RL

DM-3157RL is a 2.4GHz wireless mouse.

U1 is a MCU IC-SPCP858A-008A.

U1 can get current X and Y information on U1 via SPI. U1 can get mouse buttons information via IO.

U2 is a 2.4GHz RF transceiver IC-SPRF2400. It implements to send and receive 2.4GHz GFSK wireless information.

Power supply is DC1.5V by battery. U3 can transform 1.5V to 2.8V.

U4 is a optical navigation device. U1 can measures changes in position by optically acquiring sequential surface images and mathematically determining the direction and magnitude of movement. The current X and Y information are available in registers accessed via a serial port.

DM-3157RL Frequency List

Group	Channel	Frequency (MHz)	Group	Channel	Frequency (MHz)
1	01	2407	2	01	2405
	02	2408		02	2406
	03	2412		03	2409
	04	2414		04	2410
	05	2417		05	2411
	06	2420		06	2412
	07	2421		07	2415
	08	2422		08	2416
	09	2427		09	2418
	10	2428		10	2419
	11	2431		11	2423
	12	2435		12	2425
	13	2436		13	2429
	14	2437		14	2430
	15	2438		15	2432
	16	2439		16	2434
	17	2442		17	2443
	18	2447		18	2444
	19	2451		19	2446
	20	2452		20	2448
	21	2457		21	2449
	22	2458		22	2453
	23	2459		23	2455
	24	2460		24	2456
	25	2461		25	2462
	26	2465		26	2463
	27	2468		27	2464
	28	2469		28	2466
	29	2472		29	2467
	30	2473		30	2470
	31	2475		31	2471
	32	2476		32	2474