

General Description

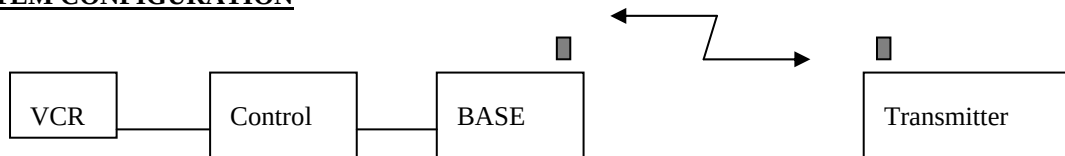
2.4GHz FHSS DIGITAL Transmitter/Docking MODEL: DT-1NT/NR

USA VERSION

DT-1NT/NR 2.4GHz Frequency Hopping Digital TRANSMITTER AND Base INSTRUCTION MANUAL

DT-1NT/NR consists of a Base and transmitter. Read these instructions carefully for correct use and retain it for reference in future.

SYSTEM CONFIGURATION



- 95 channels are possible in the 2400~2483 MHz bandwidth.
- Transmission range reaches up to 350 meters in free area.
- DT-1NT/NR conforms to RF regulations of FCC part 15.
- Power: 12 VDC,
Adaptor: For Charging 9VDC 400 mA Class 2 transformer wall adaptor provided.
- Interconnection: RJ jack & cord provided
- Dimension: Transmitter 66(L) × 46 (W) × 24 (H) mm
BASE 75 (L) × 73(W) × 65 (H) mm
- Color: black & black
- Do not use this product near water, *i.e.*, near a bathtub, wash bowl, kitchen sink or laundry Hub, in a wet basement, or near a swimming pool.
- Do not use this product to report a gas leak in the vicinity of the leakage area.

FEATURES

- Longer range
- Better voice quality
- 95 channels operation
- Auto talk
- Auto stand-by
- 3 stage output power selectable
- 16 million auto-security code combination
- LED indicator for out of range warning
- High performance chipset
- Low battery LED indicator
- Ni-MH battery (3.6 VDC, 600 mAh)
- VCR on-work display
- Internal & external microphone

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PIN DESCRIPTION OF THE BASE OUTPUT PORT

- Pin #1: AUDIO_OUT (output from the port)
- Pin #2: VIDEO_ON (active low input into the port)
- Pin #3: AUDIO_GND
- Pin #4: REC_OUT/TALK_MODE (output from the port)
- Pin #5: 12V VDC_IN (input into the port)
- Pin #6: SIG_GND

CHARGING THE BATTERY (FULL CHARGE)

1. Once the BASE has power connection, place the transmitter in its cradle on the BASE.
2. Leave the transmitter on the cradle for at least 12 hours for a full charge.

PREPARING FOR INITIAL USE

1. Ensure that the fully charged before initial use.
2. Check line and power connections to the BASE.
3. Select the ON position of power switch
4. Push the TALK button of the transmitter to check the operation.

OPERATION

1. Supply 12 VDC power into the BASE using the provided AC adaptor.
2. Separate the transmitter from the BASE and turn on the transmitter.
3. Push the TALK button on the transmitter. When the antenna icon on the LED of the transmitter is displayed steadily, the communication channel between the BASE and transmitter has been setup and the transmitter is transmitting the audio signal. On the other hand, when the antenna icon blinks, the frequency channel between the BASE and transmitter does not match. Place the transmitter in its cradle on the BASE. Put Transmitter on the Receiver (Charging). Press and hold TR's talk button over 5 sec's. Unhold the talk button. The TR+RE' Green LED is blinking 5 times and will be heard a confirm tone. the communication channel has been setup and the transmitter is ready to operate normally.
4. When the antenna icon is displayed on the LED window of the transmitter by pressing the toggling TALK button, the transmitter is transmitting the audio signal and the BASE outputs the active-high digital signal on the talk-mode output pin.
5. When the active-low digital signal exists on the video-on input pin of the BASE, a recorder icon is displayed on the LED window of the transmitter.
6. When the distance between the BASE and transmitter is within the coverage area, both the recorder and antenna icons are displayed steadily by providing the video-on signal on the BASE. On the other hand, when the distance between the BASE and transmitter is out of the coverage area, the recorder icon turns off and the antenna icon blinks.
7. When recording is finished, turn off the transmitter and place it in its cradle on the BASE for charging.

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SPECIFICATIONS

1. Frequency Hoping / RF channel exclusion / Dual slot Antenna Diversity
2. Audible / LED display Out of Range warning.
3. Audible / LED display Low battery warning.
4. Earphone jack (transmitter Free)
5. Charging Status Indicator (Charging / Full charge)
6. Talk On/Off Key
7. Recording On/Off Indicator
8. AUTO Link, VCR On/Off (The base station is On /OFF control)
9. Recording Output signal
10. Transmitter Power switch control
11. Frequency Range: 2401.056MHz ~ 2482.272MHz
12. Up to longer Range
13. Data speed (via air interface) : 24kbit/sec
14. Modulation: GFSK
15. Channels: 95 (Channel spacing 0.864MHz)
16. Rx/Tx slots: 4/4
17. Fast Frequency hoping: Up to 800 hops/sec
18. Standard Compliance: FCC part 15.247/249

Frequency Table

DT-1NEW Frequency Table

CHANNEL	FRQUENCY(MHZ)	CHANNEL	FRQUENCY(MHz)
0	2401.056	48	2442.528
1	2401.920	49	2443.392
2	2402.784	50	2444.256
3	2403.648	51	2445.120
4	2404.512	52	2445.984
5	2405.376	53	2446.848
6	2406.240	54	2447.712
7	2407.104	55	2448.576
8	2407.968	56	2449.440
9	2408.832	57	2450.304
10	2409.696	58	2451.168
11	2410.560	59	2452.032
12	2411.424	60	2452.896
13	2412.288	61	2453.760
14	2413.152	62	2454.624
15	2414.016	63	2455.488
16	2414.880	64	2456.352
17	2415.744	65	2457.216
18	2416.608	66	2458.080
19	2417.472	67	2458.944
20	2418.336	68	2459.808
21	2419.200	69	2460.672
22	2420.064	70	2461.536
23	2420.928	71	2462.400
24	2421.792	72	2463.264
25	2422.656	73	2464.128
26	2423.520	74	2464.992
27	2424.384	75	2465.856
28	2425.248	76	2466.720
29	2426.112	77	2467.584
30	2426.976	78	2468.448
31	2427.840	79	2469.312
32	2428.704	80	2470.176
33	2429.568	81	2471.040
34	2430.432	82	2471.904
35	2431.296	83	2472.768
36	2432.160	84	2473.632
37	2433.024	85	2474.496
38	2433.888	86	2475.360
39	2434.752	87	2476.224
40	2435.616	88	2477.088
41	2436.480	89	2477.952
42	2437.344	90	2478.816
43	2438.208	91	2479.680
44	2439.072	92	2480.544
45	2439.936	93	2481.408
46	2440.800	94	2482.272
47	2441.664		