TD-H3 Quick Reference

TIDRADIO TD-H3 handheld · nicFW V2.52.22 · GCARC channel plan

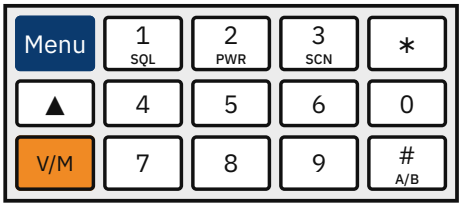
DRAFT

For Jon Pearce, WB2MNF · GCARC (W2MMD). Print on US Letter. Laminate the pages, or fold them and keep them with the radio.

START HERE: ONE GROUP, THEN ONE FREQUENCY

1. Press the orange V/M key until the top line shows a group (GRP-A, and so on). Each press cycles VFO mode, Channel mode, and Group mode.
2. In Group mode, press * to go up one group, or 0 to go down one group. To jump to a group, long-press 0, press a number key, then press Menu or # to confirm. Use * or 0 to reach groups J–O.
3. Use the ▲ ▼ arrows to step through the channels in that group. The radio hides anything that is not in the group.
4. To go straight to a memory slot, type the 1-, 2-, or 3-digit channel number, then press #. In Group mode the radio shows that channel only if it belongs to the active group.

WHERE THE KEYS ARE



Top knob — power and volume.

Upper and lower side keys — PTT (push to talk).

Lower black side key — Flashlight / Monitor. A long press opens squelch for a moment. Do not hold this key while you turn the radio on; that resets most settings.

START-HERE FREQUENCIES

#	NAME	RX MHZ	OFFSET	TONE	
1	★ GCARC2M	147.180	+0.6	131.8	Club / county ARES primary
2	★ GCARC70	442.100	+5	131.8	Club 70 cm
4	★ GCSMPX	146.535	simplex	—	County ARES simplex
5	★ 2MCALL	146.520	simplex	—	National 2 m calling
15	★ WXPHL	162.475	—	—	NOAA Philadelphia (RX)
16	★ WXACY	162.400	—	—	NOAA Atlantic City (RX)

KEY PRESSES

MODE AND DISPLAY

V/M	Cycle VFO, Channel, and Group mode. Also exits most menus, and stops a scan.
Long-press 9	Turn Dual Watch on or off. Dual Watch listens to both VFOs at once.
Menu 15	PTT mode: Single, Dual, or Hybrid. Choose Single to show only one frequency.
# on the main screen	Changes bands and switches the active VFO (the key is marked A/B).
Menu, then #	Switch between the User menu and the Advanced menu.

GROUPS AND CHANNELS

* or 0	In Group mode, go up or down one group. These keys also change groups during a group scan.
Long-press 0 + number	Jump to a group. Confirm with Menu or #.

SCAN AND ENTRY

▲ ▼	Step through channels, or through VFO frequencies.
Number, then #	Go to that memory slot.
Long-press 3	Start a scan. Press V/M or PTT to stop. Press # to exclude the last frequency.

LOCK, SQUELCH, POWER, TOOLS

Long-press *	Lock or unlock the keypad. PTT still works. The default PIN is 9999 (Menu 48). A padlock icon means the keypad is locked.
Menu 00	Squelch, 0–9. 0 leaves the squelch open. Or long-press Flashlight / Monitor to open it for a moment.
Menu 03	Transmit power. 0 means the radio will not transmit. Leave this alone unless you need to change it.
Long-press 7	In VFO mode, start the frequency counter.

IF IT WILL NOT TRANSMIT

- **RX channels are receive-only by design.** They are marked RX in the lists. That includes every 220 MHz channel until it has been measured, every GMRS channel, every interop (public-safety) channel, and the weather and MURS channels.
- **Check the keypad lock.** Look for a padlock icon on the screen. Long-press * to unlock. Enter 9999 if the radio asks for a PIN.
- **Check that you are on the right VFO.** If two frequencies show, Dual Watch may be on, or PTT mode may be Dual or Hybrid. Long-press 9 to turn Dual Watch off. Set Menu 15 to Single so only one frequency shows. Press # if you need to switch the active VFO.

Channels by group, A to F

★ start-here · RX = receive only

is the memory slot. Offset is the repeater shift, or simplex. A bare number in Tone is the transmit PL. T means tone squelch (the radio opens only when it hears that tone). D means DCS. Groups are in guide order. A channel can appear in more than one group; the slot number stays the same. Group F includes second copies of GCSMPX and 2MCALL in slots 77 and 78.

A GCPRI — GC primary — 16 ch

#	NAME	RX MHZ	OFFSET	TONE	
1	★ GCARC2M	147.180	+0.6	131.8	
2	★ GCARC70	442.100	+5	131.8	
3	GCARC22	224.660	−1.6	131.8	RX
4	★ GCSMPX	146.535	simplex	—	
5	★ 2MCALL	146.520	simplex	—	
6	70CALL	446.000	simplex	—	
7	220CAL	223.500	simplex	—	RX
8	APRS	144.390	simplex	—	
9	WLVHF	145.030	simplex	—	
10	WL220	223.580	simplex	—	RX
11	WLSNJ	145.010	simplex	—	
12	SJTRAF	147.345	+0.6	127.3	
13	NJOEM	147.570	simplex	—	
14	CAMARE	146.895	−0.6	91.5	
15	★ WXPHL	162.475	—	—	RX
16	★ WXACY	162.400	—	—	RX

B GCNR — GC and nearby — 15 ch

#	NAME	RX MHZ	OFFSET	TONE	
1	★ GCARC2M	147.180	+0.6	131.8	
2	★ GCARC70	442.100	+5	131.8	
3	GCARC22	224.660	−1.6	131.8	RX
4	★ GCSMPX	146.535	simplex	—	
5	★ 2MCALL	146.520	simplex	—	
17	GCSKYW	449.975	−5	131.8	
18	GCOEM	146.475	+0.6	162.2	
19	WC2K	145.390	−0.6	91.5	
20	KC2DUX	147.120	+0.6	123.0	
21	SALARE	146.625	−0.6	131.8	
22	K2UK2M	146.865	−0.6	131.8	
23	K2UK70	442.350	+5	131.8	
24	RUNNMD	147.225	+0.6	192.8	
25	NJ2GC	447.775	−5	146.2	
26	LINDEN	145.150	−0.6	91.5	

C CAMDN — Camden metro — 16 ch

#	NAME	RX MHZ	OFFSET	TONE	
12	SJTRAF	147.345	+0.6	127.3	
14	CAMARE	146.895	−0.6	91.5	
22	K2UK2M	146.865	−0.6	131.8	
23	K2UK70	442.350	+5	131.8	
24	RUNNMD	147.225	+0.6	192.8	
25	NJ2GC	447.775	−5	146.2	
26	LINDEN	145.150	−0.6	91.5	
27	CAMSEC	442.150	+5	156.7	
28	CHERRY	145.370	−0.6	91.5	
29	W2FLY	145.210	−0.6	D174	
30	N3KZ2M	145.430	−0.6	79.7	
31	W2MX22	224.620	−1.6	—	RX
32	KA2PFL	442.300	+5	131.8	
33	N3KZ70	442.700	+5	131.8	
34	WB3EHB	444.300	+5	131.8	
35	K3RJC	444.900	+5	131.8	

D SALCU — Salem and Cumberland — 16 ch

#	NAME	RX MHZ	OFFSET	TONE	
4	★ GCSMPX	146.535	simplex	—	
5	★ 2MCALL	146.520	simplex	—	
16	★ WXACY	162.400	—	—	RX
21	SALARE	146.625	−0.6	131.8	
36	CUMARE	147.255	+0.6	179.9	
37	VINELD	145.490	−0.6	179.9	
38	SALEM22	224.460	−1.6	74.4	RX
39	MILLVL	223.960	−1.6	179.9	RX
40	BRIDGE	447.275	−5	131.8	
41	GREENW	443.700	+5	131.8	
42	K2GOD	446.625	−5	94.8	
43	W2SCR	449.625	−5	123.0	
44	SALSMP	147.555	simplex	—	
45	CUMSMP	147.540	simplex	—	
46	CAMSMP	146.560	simplex	—	
47	WLCUMB	145.070	simplex	—	

E PA — Pennsylvania — 16 ch

#	NAME	RX MHZ	OFFSET	TONE	
48	PHLARE	147.030	+0.6	91.5	
49	DELCO	446.775	−5	88.5	
50	MEDIA	146.940	−0.6	131.8	
51	DARBY	147.360	+0.6	131.8	
52	NEWTWN	147.060	+0.6	131.8	
53	W3DI2M	147.195	+0.6	100.0	
54	WM3PEN	146.685	−0.6	146.2	
55	KD3WT	145.410	−0.6	127.3	
56	CHESTR	224.700	−1.6	131.8	RX
57	BOOTHS	223.940	−1.6	88.5	RX
58	DARB22	224.500	−1.6	131.8	RX
59	KM3W70	444.700	+5	131.8	
60	DARB70	444.050	+5	131.8	
61	W3DI70	442.250	+5	131.8	
62	N3KZPH	442.400	+5	131.8	
63	KD3W70	446.875	−5	131.8	

F DEL — Delaware — 16 ch

#	NAME	RX MHZ	OFFSET	TONE	
6	70CALL	446.000	simplex	—	
64	W3CER	444.400	+5	100.0	
65	W3DRA1	146.955	−0.6	131.8	
66	W3DRA2	146.730	−0.6	131.8	
67	W3DR22	224.520	−1.6	131.8	RX
68	KA3WOW	224.400	−1.6	131.8	RX
69	N3KZDE	442.000	+5	131.8	
70	W3DR70	448.375	−5	131.8	
71	N3JLH	448.825	−5	131.8	
72	W3CER2	444.950	+5	100.0	
73	W3UD	145.310	−0.6	141.3	
74	W3DRA3	146.700	−0.6	131.8	
75	W3DR49	449.025	−5	131.8	
76	W3CER3	442.500	+5	100.0	
77	★ GCSMPX	146.535	simplex	—	
78	★ 2MCALL	146.520	simplex	—	

Channels by group, G to L

★ start-here · RX = receive only

Groups K and L are GMRS and are receive only on this plan. Group J is empty because the H3 is analog and has no DMR.

G DIST — Distant and mutual aid

16 ch

#	NAME	RX MHZ	OFFSET	TONE	
13	NJOEM	147.570	simplex	—	
79	BURARE	147.150	+0.6	127.3	
80	ATLARE	146.745	−0.6	146.2	
81	CAPARE	147.240	+0.6	146.2	
82	MERARE	147.105	+0.6	123.0	
83	OCNARE	449.825	−5	131.8	
84	K2AA	145.290	−0.6	91.5	
85	MTLAUR	223.920	−1.6	127.3	RX
86	CINNAM	445.625	−5	127.3	
87	MINOTL	146.805	−0.6	118.8	
88	MINO70	448.125	−5	192.8	
89	HAMMON	444.875	+5	162.2	
90	TABERN	445.33125	−5	127.3	
91	WILLBO	146.925	−0.6	131.8	
92	W2NJR	445.075	−5	141.3	
93	NJOEM2	224.320	−1.6	67.0	RX

H SMPLX — Simplex and tactical

16 ch

#	NAME	RX MHZ	OFFSET	TONE	
4	★ GCSMPX	146.535	simplex	—	
5	★ 2MCALL	146.520	simplex	—	
6	70CALL	446.000	simplex	—	
7	220CAL	223.500	simplex	—	RX
8	APRS	144.390	simplex	—	
13	NJOEM	147.570	simplex	—	
44	SALSMP	147.555	simplex	—	
45	CUMSMP	147.540	simplex	—	
46	CAMSMP	146.560	simplex	—	
94	TAC1	147.495	simplex	—	
95	TAC2	147.505	simplex	—	
96	TAC3	147.515	simplex	—	
97	446025	446.025	simplex	—	
98	446050	446.050	simplex	—	
99	445950	445.950	simplex	—	
100	445975	445.975	simplex	—	

I DIGI — APRS and Winlink

5 ch

#	NAME	RX MHZ	OFFSET	TONE	
8	APRS	144.390	simplex	—	
9	WLVHF	145.030	simplex	—	
10	WL220	223.580	simplex	—	RX
11	WLSNJ	145.010	simplex	—	
47	WLCUMB	145.070	simplex	—	

J DMR — Empty: the H3 is analog

Empty. The H3 is analog and has no DMR.

K GMRSR — GMRS repeaters, receive only

6 ch

#	NAME	RX MHZ	OFFSET	TONE	
101	G15/462550	462.550	—	—	RX
103	G17/462600	462.600	—	—	RX
104	G18/462625	462.625	—	—	RX
105	G19/462650	462.650	—	—	RX
107	G21/462700	462.700	—	—	RX
108	G22/462725	462.725	—	—	RX

L GMRS — GMRS and FRS, receive only

15 ch

#	NAME	RX MHZ	OFFSET	TONE	
101	G15/462550	462.550	—	—	RX
102	G16/462575	462.575	—	—	RX
103	G17/462600	462.600	—	—	RX
104	G18/462625	462.625	—	—	RX
105	G19/462650	462.650	—	—	RX
106	G20/462675	462.675	—	—	RX
107	G21/462700	462.700	—	—	RX
108	G22/462725	462.725	—	—	RX
109	F1/462562	462.5625	—	—	RX
110	F2/462587	462.5875	—	—	RX
111	F3/462612	462.6125	—	—	RX
112	F4/462637	462.6375	—	—	RX
113	F5/462662	462.6625	—	—	RX
114	F6/462687	462.6875	—	—	RX
115	F7/462712	462.7125	—	—	RX

Channels by group, M to O

★ start-here · RX = receive only

Groups M and N are receive only. Interop channels (M) are Part 90 public-safety frequencies for monitoring, not for amateur transmit.

M INTOP — Public-safety interop, receive only — 16 ch

#	NAME	RX MHZ	OFFSET	TONE	
116	VCALL10	155.7525	—	T156.7	RX
117	VTAC11	151.1375	—	T156.7	RX
118	VTAC12	154.4525	—	T156.7	RX
119	VTAC13	158.7375	—	T156.7	RX
120	VTAC14	159.4725	—	T156.7	RX
121	UCALL40	453.2125	—	T156.7	RX
122	UTAC41	453.4625	—	T156.7	RX
123	UTAC42	453.7125	—	T156.7	RX
124	UTAC43	453.8625	—	T156.7	RX
125	VFIRE21	154.280	—	—	RX
126	VFIRE22	154.265	—	—	RX
127	VLAW31	155.475	—	—	RX
128	VSAR16	155.160	—	T127.3	RX
129	JEMS2	155.340	—	—	RX
130	JEMS3	155.280	—	—	RX
131	JEMS4	153.785	—	—	RX

N WXMUR — Weather and MURS, receive only — 12 ch

#	NAME	RX MHZ	OFFSET	TONE	
15	★ WXPHL	162.475	—	—	RX
16	★ WXACY	162.400	—	—	RX
132	WX2	162.425	—	—	RX
133	WX3	162.450	—	—	RX
134	WX5	162.500	—	—	RX
135	WX6	162.525	—	—	RX
136	WX7	162.550	—	—	RX
137	MURS1	151.820	—	—	RX
138	MURS2	151.880	—	—	RX
139	MURS3	151.940	—	—	RX
140	MURS4	154.570	—	—	RX
141	MURS5	154.600	—	—	RX

O OTHER — Reserved, empty

Reserved (empty).

HOW TO READ THIS LIST

- Yellow rows with a star are the start-here channels: the club repeaters, county ARES simplex 146.535, national 2 m calling 146.520, and NOAA weather.
- RX in the last column means the channel is receive only (power set to N/T). You will hear it, but the radio will not transmit.
- In Group mode, press [*] or [0] to change groups, or type a slot number and press [#] to go to that channel if it is in the active group.
- This plan has 141 channels in slots 1–141. Slots 142–198 are empty. Fifteen groups are labeled A–O: A GCPRI, B GCNR, C CAMDN, D SALCU, E PA, F DEL, G DIST, H SMPLX, I DIGI, J DMR, K GMRSR, L GMRS, M INTOP, N WXMUR, O OTHER.

Print on US Letter, single- or double-sided. Laminate the pages, or fold the sheet and keep it with the radio. Key presses follow the nicFW V2 manual (written for V2.07.06) and use on this firmware; this card assumes the default long-press assignments. This card is a draft.