(Q signals continued)...

QRT	Shall I stop sending? Stop sending.
QRU	Have you anything for me? I have nothing for you.
QRV	Are you ready? I am ready.
QRX	When will you call me again? I will call you again at ____ hours(on ____ kHz).
QRZ	Who is calling me? You are being call by ____(on ____ kHz).
QSB	Are my signals fading? Your signals are fading.
QSD	Your keying is defective
QSK	Can you hear my between your signals and if so can I break in on your transmission? I can hear you between signals; break in on my transmission.
QSL	Can you acknowledge receipt (of a message or transmission)? I am acknowleging receipt.
QSN	Did you hear me (or ____) on ____ kHz? I did hear you (or ____) on kHz.
QSO	Can you communicate with ____ direct or by relay? I can communicate with ____ direct (or relay through ____).
QSP	Will you relay to ____? I will relay to ____.

C.A.T.
Deluxe Plus
Morse Code
Trainer
User Manual

Deluxe Morse Code Trainer

Congratulation! You have just purchased a powerful tool to help you learn Morse code faster and easier. The Deluxe Morse Code Trainer has six different modes that can be set:

Mode 1 plays random codes continuously which can be programmed for different speeds and different character sets.

Mode 2 is similar to Mode 1, but pauses after every 15 characters. The 15 characters can be replayed to check you accuracy.

Mode 3 is a QSO or basically a conversation between two people. In this mode new and different QSOs are generated every time. These QSOs are similar to General Class exams.
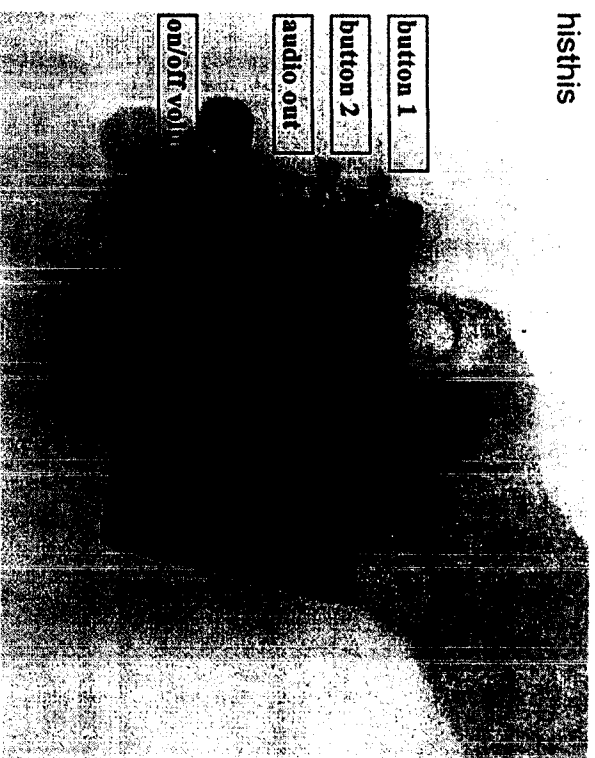
Mode 4 allows the user to select specific characters or numbers to be played randomly.

Mode 5 is an interactive mode which allows the users to tell the trainer when to play the next character or to repeat the last character (this is excellent for beginners).

Mode 6 is the random word group mode, which plays different words from a vocabulary list.

Physical Layout

histhis

button 1

button 2

audio out

on/off vol

Specification:

Weight (without battery)	4 oz
Dimensions	1 x 2 1/4 x 3 3/4"
Power Requirements	9 v battery/12v
Operating hours on an alkaline battery	40 hours

Mode 1   Continuos Random Code

When Mode 1 is selected the trainer will play continuos random characters at a specified speed from within a specified character group. To activate Mode 1:

1) Power on the unit
2) Press **Button 1** (the Select key) the number of times necessary to select the desired code speed:

# Times Pressed	Code Rate
1	3 wpm
2	5 wpm
3	7 wpm
4	9 wpm
5	11 wpm
6	13 wpm
7	15 wpm
8	17 wpm
9	19 wpm
10	21 wpm
11	23 wpm
12	25 wpm
13	27 wpm
14	29 wpm
15	31 wpm

Code Speed Table

3) After keying in the code rate, press **Button 2** (the enter key) to tell the trainer you have selected the code speed.

4) Press **Button 1** (the Select key) once to select Mode 1 and then **Button 2** (the enter key) to tell the trainer you are finished entering the mode.

5) Press **Button 1** the number of times need to specify the code group.

# Times Pressed	Character group
1	All Codes
2	A-Z,0-9
3	A-Z
4	A-I
5	J-Q
6	R-Z
7	0-9
8	Punctuation/Prosigns

5) Press **Button 2** (the enter key) to tell the trainer you are finish programming the character group and are ready to begin code generation.

Mode 2 Test for Copying Random Code

This mode is similar to Mode 1, except that it pauses every 16 characters. This pause feature allows you to check your accuracy. To activate Mode 2:

1) Power on the trainer.

2) Press *Button 1* (the Select key) the number of times required to select the desired speed (See Word Speed Table described under Mode 1)

3) Press *Button 2* (the enter key) to tell DMCTP that you finish programming the code rate.

4) Press *Button 1* twice to specify mode 2 and then *Button 2* (the enter key).

5) Press *Button 1* the number of times wanted for selecting the desired test lesson. (see character group table described under Mode 1)

6) Press *Button 2* (the enter key) to tell the trainer you have selected the code group and are ready to begin.

7) The trainer will pause after playing each 15 characters in order for you to check your accuracy. *Button 2*, the trainer

will begin playing the a new set of 15 characters. If *Button 1* is pressed the trainer will repeat the last 15 characters

Mode 3   Playing Continuous New QSOs

In this mode new QSOs or conversations between two radio stations will be created every time. These QSOs are similar to the actual code exams. To activate Mode 3.

1) Power on the unit.

2) Press *Button 1* (the Select key) the number of times required to select the desired speed. (See Word Speed Table described under Mode 1)

3) Press *Button 2* (the Enter key) to tell the trainer you have selected the word speed..

4) Press *Button 1* (the Select key) three times to select Mode 3 and then press *Button 2* (the Enter key). As soon as you press *Button 2*, the QSO will begin by playing a sequence of Vs.

5) After the QSO is finished, the trainer will pause to allow you to begin a new QSO by pressing *Button 2* or to repeat the same QSO by pressing *Button 1*.

The purpose of being able to repeat the same QSO is to allow you to check the accuracy of your copy.

Note: To pause the trainer, press and hold *Button 1*.

Mode 4 Selectable Random Code

This Mode will allow you to choose which characters the code trainer will randomly play. This mode is ideal for people who are weak in copying certain characters or who want to learn the characters in a specific order. To activate Mode 4:

1) Power on the trainer.

2) Press *Button 1* (the Select key) the number of times required to select the desired speed. (See Word Speed Table described under Mode 1.)

3) Press *Button 2* (the Enter key) to tell the trainer you have selected the word speed.

4) Press *Button 1* (the Select key) four times to select Mode 4 and then press *Button 2* (the Enter key).

5) The letter A will appear on the LCD display. If *Button 1* (the Select key) is pressed the character will be selected as on of the characters to be randomly played. If *Button 2* is pressed, the character will not be selected.

6) After *Button 1* and 2 is pressed, the letter B will appear on the LCD display. Again press *Button 1* if you want to select the character and *Button 2* if you don't. The letters A

to Z and numbers 0 to 9 will sequentially appear on the LCI display allowing you to select any combination you choose.

After all the desired characters have been selected, th trainer will begin playing the selected characters randomly.

(NOTE: A MINIMUM OF THREE CHARACTERS MUS BE SELECTED)

Mode 5 Interactive Code Training

Mode 5 is an interactive mode which allows the user to tell trainer when you are ready for the next character. This is excellent for beginners! To activate Mode 5:

1) Power on the trainer.

2) Press **Button 1** (the Select key) the number of times required to select the desired speed. (See Word Speed Table described under Mode 1.)

3) Press **Button 2** (the Enter key) to tell the trainer you have selected the word speed.

4) Press **Button 1** (the Select key) five times to select Mode 5 and then press **Button 2** (the Enter key).

5) Every time you press **Button 2** a new random character will be played. To repeat the last character played, press **Button 1**.

Mode 6 Playing Random Word Groups

This mode will play groups of random words continuously. This mode is useful for preventing the user from possibly knowing what the next word might be. To activate Mode 6:

1) Power on the trainer.

2) Key in the word speed by pressing **Button 1** the number of times required for the desired speed. Press **Button 2** (the enter key) after entering word speed. {see Word speed table in Mode }

3) Press **Button 2** (the Enter key) to tell the trainer you have selected the word speed.

4) Press **Button 1** (the Select key) six times to select Mode 6 and then press **Button 2** (the Enter key). At this point, the trainer will begin playing word groups.

Farnsworth Mode

To have the trainer play all characters at a fast character speed (while maintaining the selected word speed), press and hold *Button 2* down while turning on the trainer. When the trainer is set in Farnsworth mode, the cursor will take 2 seconds to appear. Once the cursor appears, you may continue to program the trainer normally, Farnsworth mode will remain in effect unit the trainer is turned off.

Code Table

A	•—	N	—•
B	—•••	O	———
C	—•—•	P	•——•
D	—••	Q	——•—
E	•	R	•—•
F	••—•	S	•••
G	——•	T	—
H	••••	U	••—
I	••	V	•••—
J	•———	W	•——
K	—•—	X	—••—
L	•—••	Y	—•——
M	——	Z	——••

(BELOW REQUIRED FOR CODE TEST)

AAA	period	•—•—•—
AR	end of message	•—•—•
BT	pause, break	—•••—
DN	fraction bar	—••—•
IMI	quotation mark	•—••—•

MIM   comma   - - • • - -
SK   end of work   • • • - • -

Other Prosigns to Learn

Prosign	Meaning	Code
AAA	period	• - • - • -
AF	"	• - • • - •
AR	end of message	• - • - •
AS	wait	• - • • •
AL	paragraph	• - • - • •
BT	=	- • • • -
DN	/	- • • - •
DU	-	- • • - • -
HH	error	• • • • • • • •
IMI	?	• • - - • •
IQ	-	• - • - • -
KA	start	- • - • -
KK	)	- • - • -
KN	(	- • - - •
KR	;	- • - • -
MIM	,	- - • • - -
OS	:	- - - • • •
SK	end of work	• • • - • -
SN	understood	• • • - •

SX ...... $ .... - • • • -
WG .... ' .... • - - • -

Q signals

Three-letter symbol beginning with Q. Used on CW to save time and to improve communication.

Some examples are listed below:

QRA   The name of my station is

QRG   Will you tell me my exact frequency (or that of ___)? Your exact frequency (or that of ___) is ___ kHz.

QRL   Are you busy? I am busy (or I am busy with ___). Please do not interfere.

QRM   Is my transmission being interfered with? Your transmission is being interfered with ___ (1. nil; 2. slightly; 3. moderately; 4. severely; 5. extremely)

QRN   Are you troubled by static? I am troubled by static ___. (1-5 as under QRM)

QRO   Shall I increase power? Increase power.

QRP   Shall I decrease power? Decrease power.

QRQ   Shall I send faster? Send faster (___ wpm).

QRR   I am ready for automatic operation.

QRS   Shall I send slower?Send slower (___ wpm).