Lots of exercises to help you become skilled at using the EkaPad

The EkaTetra Exercise Book
Version 1.0
Xray view

Primary chords

These 85 (and 26 upper case w Caps) represent the most common characters and symbols.

<table>
<thead>
<tr>
<th>a</th>
<th>b</th>
<th>c</th>
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<th>h</th>
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<tbody>
<tr>
<td>o</td>
<td>p</td>
<td>q</td>
<td>r</td>
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<td>w</td>
<td>x</td>
<td>y</td>
<td>z</td>
</tr>
</tbody>
</table>

| ; | : | Return | Tab | Navig | Post | ( | ) | Accent | @ | $ | / | * | comma |

| Caps | CapsLock | P&R Caps | Alpha | " | ' | [ | ] | = | - | + | 3 | 9 | 2 | 8 | 1 | 7 |

| ! | & | ? | • | ” | ' | ® | © | ™ | _ | — | 6 | 6 | 5 | 5 | 4 | 4 |

| Delete | # | ^ | … | “ | ’ | ¥ | £ | € | 3post | 9 | 3 | 8 | 2 | 7 | 1 |

When CapsLock is active, P&R Nlock displays numbers. P&R Nlock returns to CapsLock.

When CapsLock is active, CapsLock stays locked until P&R again. CapsLock stays locked until CapsLock is P&R again. Shift, Post, 3post works only for the current chord sequence.

When Nlock is active, all non-shift characters are available in Nlock. Shifted symbols are available with 3post chord. Npad toggles between phone pad or 10 key layout.

P&R means Press & Release a key or chord.
Welcome to the EkaTetra Exercise book

**Thank you** for using our Exercise Book to increase your skills and speed with the EkaPad.

The exercises in this book can be used as a stand alone way to achieve proficiency with the EkaTetra EkaPad or can supplement the material in the Chording book.

A Chord is one or more keys pressed and released together.

Each exercise adds one or more letters to the set you have learned previously. By going sequentially through this Exercise book, you will become proficient with many of the characters available. Use the Cheat Sheets for infrequent characters.

We have worked to make the operation of the EkaPad as simple as possible. However, you need to remember a few rules having to do with pressing keys.

We use Icons to present the chords in a concise and simple way. They are described on the next page.

---

**The Rules**

**Rule 1.** The character is entered when you release the last key of the last Chord. Later you will learn how to change this action.

**Rule 2a.** When Caps is required, press & release Caps, and then press & release the chord.

**Rule 2b.** When Post is required, press & release Post, then press & release the chord.

**Rule 2c.** When Post Caps is required, press & release Post press & release Caps, then press & release the chord.


**Rule 4.** Number pad is created by press & release Nlock. Press & release Nlock again to return to alpha state.

**Rule 5.** Navigation (cursor control in paragraphs) is a state. Press Navigation again to return to previous state. Accent is a prefix for the creation of an accent marked letter.
**Xray View** is the term we use for the Icons because the characters are shown as if you could see through the back of your EkaPad as you are using it.

**Icons** are used to convey which chords to press, in the correct order, to obtain a character. There are a few conventions we have used to keep the icons as simple and as clear as possible. The following two pages show these icons in more detail.

**The Home Slate** represents the 9 letter keys in xray view. To get one of these 9 characters, press and release the key. To get a different character, press & release the one, two, or three keys together (a chord). If Caps, Post, or Post Caps is needed, press & release these chords in sequence as shown in the Rules.

**Grey or White Squares** mean press/release the key represented by the grey or white squares. When more than one white or grey square is shown in a slate, press & release them together. Keys to press are grey in cheat sheets, white in exercises.

**Caps** is shown as a grey box with a black border.

**Post** is shown as a 3 key chord with only a black border.

**PostCaps** combines the Post border with the Caps box.

**Nlock** turns the alpha pad into a phone key pad. Press and release Nlock again to return to alpha (lower case) state.
Xray views

Compact Slates 1 of 3

Nlock

These normally shifted symbols are available in Nlock via 3post chord.
Xray views

<table>
<thead>
<tr>
<th>3post</th>
<th>same as</th>
<th>Caps</th>
<th>CapsLock</th>
<th>Alpha</th>
<th>Backspace</th>
<th>Delete</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1" alt="3post" /></td>
<td><img src="image2" alt="same as" /></td>
<td><img src="image3" alt="Caps" /></td>
<td><img src="image4" alt="CapsLock" /></td>
<td><img src="image5" alt="Alpha" /></td>
<td><img src="image6" alt="Backspace" /></td>
<td><img src="image7" alt="Delete" /></td>
</tr>
</tbody>
</table>

Use 3post for symbols with Caps in Nlock or anywhere.

Accent

| ![Accent](image8) |

Navig state

| ![Navig state](image9) |

Primary: qwerty keyboard left side

Post

| ![Post](image10) |

Command

| ![Command](image11) |

R or L hand

Option

| ![Option](image12) |

ctrl or ww

ShiftL

| ![ShiftL](image13) |

Macintosh

| ![Macintosh](image14) |

Compact Slates 2 Page 7 of 74
**Xray view** One finger chords: 9 letters: t o s i e a n r h Two finger chords: selected punctuation.

```
t  o  s  i  e  a  n  r  h  space  .  period  ,  comma  return
```

Caps Post ; semi : colon ! ? ( ) ' apost PostCaps ' apost

Straight apostrophe and curly one.

he the, tee; the: these (those ten tons).

```
  h  e  space  t  h  e  ,  comma  space  t  e  e  ;  semi  space

  t  h  e  :  colon  space  t  h  e  s  e  e  space

  (  t  h  o  s  e  space  t  e  n  space  t  o

  n  s  )  .  period  return
```
One finger chords: 9 letters: t o s i e a n r h  Two finger chords: space

his her toss torn that than those so sea as neat heat no those their thin short roan another hoarse
She has an ear to hear hi.

He is on it; hot as iron (so too is he).

Oh! she atones. Is it north?
Exercise 3

The eastern shore has a roan horse on it, near the sea.

The siren's sitar retains its tarnish or ornate shine.
The irate, honest senator inserts satire into another's oath.

The chords and characters you have now learned occur about 75% of the time in written English. In the next exercise, in addition to the Home Slate chords, you will be introduced to a new slate of chords for the letters b m l d
Single new letter per word

**b. The bear bites a bone; nabs the oboe.**

```
T h e space b e a r space b i t e s a space b o n e ; semi space n a b s space t h e space o b o e . period
```

**m. Some rams roam the moor.**

```
S o m e space r a m s space r o a m space t h e space m o o r . period
```
Xray view Home slate and two finger chords for new 5 letters b m p d l

p. The troop spots the tape; stop!

T h e space t r o o p s p o t s t a p e ; s t o p !

This aide aids the dear doe to eat her dinner.

d. This aide aids the dear doe to eat her dinner.

T h i s a i d e a i d s t h e d e a r d o e t o e a t h e r d i n n e r.
1. Alert the earl to edit the list.

That dame diapers the babies in this hamlet's depot.
The aphids bend their bodies to moisten their dormant mantles.

A noble mortal patrols his realm's portal.
The slim and solid spade dealt the broom a hard slap.

Almonds are balm to the damp.
The disposable piebald bedlamps and lollipops are a problem to the bimodal blimps.

You have now completed s o t a e i h r n and b m p d l
Xray view: Home slate and two finger chords for new 5 letters z y v c x

Single new letter per word

z. Zen has zero zest.

z. The tzar seizes his zither.
Exercise 5

y. The shy sentry is not a tyro. He's noisy.

Xray view Home slate and two finger chords for new 5 letters z y v c x

y. Yon earthy, hairy notary hates his artsy, rayon hosiery.
A stray theory is not an ornery oyster; it's a tiny yarn.
Servants visit the tavern’s vast vats, then shiver as the vine vents.
v. The naive natives serve their harvest.

The naive natives serve their harvest.

v. An overt investor vetos the version.

An overt investor vetos the version.
c. An escort notices actors crash the scene.

A
c e s p a c e

e
s
c o r
t
space
n
o
t
i

c. A citron's erotic nectar casts its scent to the insect.

A
space
c
i
t
r
o
n
' a p o s t
s
space
e
r
o

t
i
c
space
n
e
c
t
a
r
space
c
a
s

t
s
space
i
t
s
space
s
c
e
n
t
space
t

o
space
t
h
e
space
i
n
s
e
c
t
.
period
return
x. The Texas taxis exit next.

T h e s e x i t .

The Texas taxis exit next.

x. The sixteen extra oxen are the sixth hoax.

T h e s i x t e e n e x t r a o x e n a r e t h e s i x t h h o a x .
Cheer with vanity over the navy’s victory.

The catty, sexy voice conveys a rich, zany vice.

You have now completed s o t a e i h r n, b m p d l and z y v c x
Xray view: Home slate and two finger chords for new 5 letters f k g j w

\[
\begin{array}{cccccc}
\text{f} & \text{k} & \text{g} & \text{j} & \text{w} \\
\end{array}
\]

\textit{f.} The fain friar fishes for forest fare.

\[
\begin{array}{cccccccccccc}
\text{T} & \text{h} & \text{e} & \text{space} & \text{f} & \text{a} & \text{i} & \text{n} & \text{space} & \text{f} & \text{r} & \text{i} & \text{a} & \text{r} \\
\text{space} & \text{f} & \text{i} & \text{s} & \text{h} & \text{e} & \text{s} & \text{space} & \text{f} & \text{o} & \text{r} & \text{space} & \text{f} & \text{o} \\
\text{r} & \text{e} & \text{s} & \text{t} & \text{space} & \text{f} & \text{a} & \text{r} & \text{e} & \text{.period} & \text{return} \\
\text{space} & \text{f} & \text{a} & \text{r} & \text{e} & \text{.period} & \text{return} \\
\text{f.} Foster father sniffs the fresh frits.
\end{array}
\]

\[
\begin{array}{cccccccccccc}
\text{F} & \text{o} & \text{s} & \text{t} & \text{e} & \text{r} & \text{space} & \text{f} & \text{a} & \text{t} & \text{h} & \text{e} & \text{r} & \text{space} \\
\text{s} & \text{n} & \text{i} & \text{f} & \text{t} & \text{s} & \text{space} & \text{t} & \text{h} & \text{e} & \text{space} & \text{f} & \text{r} & \text{e} & \text{e} \\
\text{s} & \text{h} & \text{space} & \text{f} & \text{r} & \text{i} & \text{t} & \text{s} & \text{.period} & \text{return} \\
\text{space} & \text{f} & \text{r} & \text{i} & \text{t} & \text{s} & \text{.period} & \text{return} \\
\end{array}
\]
f. Fresh fashions infest the forties feast's fiesta.

k. Shakier narks rank akin to rakish sharks.
k. A hiker (a skier) takes strokes as tokens.

k. The tike has shark skin shoes, skirt, tank.
Exercise 6

**X-ray view** Home slate and two finger chords for new 5 letters f k g j w

**g.** A soaring stage rings an argent organist’s rising tango.

- A s o a r
- i n g s
- a n s r
- a n i s
g. The gent groans as his toga gathers strange, ghosting gear.

- T h e g e n
- t s h i
g. The gent groans as his toga gathers strange, ghosting gear.
### Exercise 6

#### j. Jane jests! Join Joe the joiner? No! She joshes the raj.

<table>
<thead>
<tr>
<th>J</th>
<th>a</th>
<th>n</th>
<th>e</th>
<th>space</th>
<th>j</th>
<th>e</th>
<th>s</th>
<th>t</th>
<th>s</th>
<th>!</th>
<th>space</th>
<th>J</th>
<th>o</th>
</tr>
</thead>
<tbody>
<tr>
<td>i</td>
<td>n</td>
<td>space</td>
<td>t</td>
<td>h</td>
<td>e</td>
<td>space</td>
<td>j</td>
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<td>i</td>
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<td>space</td>
<td>N</td>
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<td>space</td>
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<td>r</td>
<td>a</td>
<td>j</td>
<td>.period</td>
<td>return</td>
<td></td>
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</tr>
</tbody>
</table>

#### j. The janitor in his jeans joints the sohji.

| T | h | e | space | j | a | n | i | t | o | r | space | i | n |
|---|---|---|-------|---|---|---|---|---|---|-------|---|---|
| space | h | i | s | space | j | e | a | n | s | space | j | o | i |
| n | t | s | space | t | h | e | space | s | o | h | j | .period | return |
w. A wren wants to winter in the west wreath.

w. Where whither went the swan? To the water near a weir.
The King winks at his inkjet gift.  

A joking wang-wang keg.

---

You have now completed s o t a e i h r n, b m p d l, z y v c x and f k g j w

And you've worked with caps, space, comma, return, period, semicolon, colon, apostrophe and parentheses and don't forget ? and !

Lots of good chords, and all the alphabet but q and u. And they're coming right up.
Exercise 7L

Xray view  Home slate and three finger chords for new 2 letters q u. These chords are for left hand.

First four pages are for left hand. Next four for right.

Left hand

Right hand

U and q chords are shown for the left hand.

u. The sun sure stuns the aunt in her haute haunt.

T h e s u n s u r e s t u n s  t h e  a u n t  i n  h e r  h a u t e  h a u n t.
untie the runt! His route is a ruse; the onus is on us; he's not a suitor.

<table>
<thead>
<tr>
<th>U</th>
<th>n</th>
<th>t</th>
<th>i</th>
<th>e</th>
<th>space</th>
<th>t</th>
<th>h</th>
<th>e</th>
<th>space</th>
<th>r</th>
<th>u</th>
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<td>space</td>
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<td>u</td>
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<td>t</td>
<td>space</td>
<td>a</td>
<td>space</td>
<td>s</td>
<td>u</td>
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<td>period</td>
<td>return</td>
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</tbody>
</table>
Xray view  Home slate and three finger chords for new 2 letters q u. These chords are for left hand.

q. A quaint squire squints at the inquest.

qu. An antique equation squares the quasi equator.
q. The quiet queen's toque is not a quarter quoit. It's a quirt.

You have now completed the alphabet and some other characters. Wow!

Next exercise has sentences which contain all 26 letters.

The previous four pages are for the left hand. The next four are for the right hand.

q and u can be accessed with two different chords.
Exercise 7R

**Xray view** Home slate and three finger chords for new 2 letters q u. These chords are for the right hand.

<table>
<thead>
<tr>
<th>q</th>
<th>u</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Left hand*  
*Right hand*

U and q chords are shown for the right hand.

**u.** The sun sure stuns the aunt in her haute haunt.
Exercise 7R

untie the runt! His route is a ruse; the onus is on us; he's not a suitor.
Xray view Home slate and three finger chords for new 2 letters q u. These chords are for the right hand.

q. A quaint squire squints at the inquest.

A quaint squire squints at the inquest.

q. An antique equation squares the quasi equator.

An antique equation squares the quasi equator.
Xray view Home slate and three finger chords for new 2 letters q u. These chords are for the right hand.

q. The quiet queen's toque is not a quarter quoit. It's a quirt.

You have now completed the alphabet and some other characters. Wow!

Next exercise is sentences with all 26 letters.

The previous four pages are for the right hand.

If you've tried all pages of Exercise 7 you may now be able to use either hand.
The excited jockeys' minor quarrel was a veritable prize fight.
Why did Max become eloquent over a zany gift like jodhpurs?
Picking just six quinces, the new farm hand proved strong but lazy.
Brown jars prevented the mixture from freezing too quickly.
I quickly explained that many big jobs involve few hazards.
My folks proved his expert eloquence was just a big hazard.
Pete quickly spotted the five women dozing in the jury box.
Farmer Jack realized that big yellow quilts were expensive.
William said everything about his Jacket was quite good except the zipper.
Traveling beneath the azure sky in our jolly oxcart, we often hit bumps quite hard.
Pack my box with five dozen liquor jugs.

That's a workout!
When CapsLock is active, P&R Nlock displays numbers. P&R Nlock again to return to CapsLock.

When Nlock is active, all non-shift characters are available in Nlock. 3Post is prefix chord for math symbols. With Npad you can select phone pad layout or 10 key layout.

P&R means Press and Release a key or chord.
The eastern shore has a roan horse on it, near the sea.
As both babies are born, one is set in the basin.
Most common 9 letters plus c

Each can contains ascorbic concentrate.

Xray view

c
b

each can contains ascorbic concentrate.
Don’t detach the dart; add it to the adobe.
The feats of Fran are an affront to the faction.
**A great goose is going to go to the other geese.**

```
A great goose is going to go to the other geese.
```

---

**Most common plus g**

```
Most common plus g  Exercise 9   Page 60 of 74
```
Joan joins the Jesters as Jetset Jean.
The king's kin are kookie kids.

```
T h e space k i n g ' s space k i n
    a r e space k o o k i e
    d s . p e r i o d
```

Most common 9 letters plus k
A lenient lad looks on the lake, liking it.
Man's main method means making models.
The troop promptly spots the tape near the depot.
A quaint squire squints at the inquest.
Most common 9 letters plus qu

Right hand exercise

A quaint squire squints at the inquest.
An overt investor vetoes the version.
A wren wants to winter in the west wreath.
The Texas taxis exit next.
A stray theory is not an ornery oyster; it's a tiny yarn.
The tzar seizes his zither.
The same chord with a different prefix often produces a similar character. If you use any of these characters regularly, these relationships may help you remember the chords more easily.
These are the more common symbols which one encounters. Learning them may be appropriate. Press boxed chord before character.

<table>
<thead>
<tr>
<th>alpha</th>
<th>Caps</th>
<th>Post</th>
<th>PostCaps</th>
<th>3post</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

When CapsLock is on (all Captials), you can access the symbols which require a shift by using 3post prefix and then the same chord as when you would use prefix Caps. Please note that all symbols and numbers are available when you are in CapsLock. And all symbols are available when you're in NLock, (but not lower case alphas).

@ * / + = - $ ; ¥ £ # € † < > ÷

& • \ % ! _ " ' ? © ™ %° © ± – ‘ “

& • \ % ! _ " ' ? … ^ \ ~ ” , — ’ ”

These are the chords for 3post; which produce the same symbols as Shift.
**Length comparison of 26 letter sentences**

A quick brown fox jumps over the lazy dog.

<table>
<thead>
<tr>
<th>A</th>
<th>space</th>
<th>q</th>
<th>u</th>
<th>i</th>
<th>c</th>
<th>k</th>
<th>space</th>
<th>b</th>
<th>r</th>
<th>o</th>
<th>w</th>
<th>n</th>
<th>space</th>
</tr>
</thead>
<tbody>
<tr>
<td>f</td>
<td>o</td>
<td>x</td>
<td>space</td>
<td>j</td>
<td>u</td>
<td>m</td>
<td>p</td>
<td>s</td>
<td>space</td>
<td>o</td>
<td>v</td>
<td>e</td>
<td>r</td>
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<tr>
<td>space</td>
<td>t</td>
<td>h</td>
<td>e</td>
<td>space</td>
<td>l</td>
<td>a</td>
<td>z</td>
<td>y</td>
<td>space</td>
<td>d</td>
<td>o</td>
<td>g</td>
<td>.period</td>
</tr>
</tbody>
</table>

Most short sentences which contain all 26 letters of the alphabet, in English, contain about 60 characters, with a range from 40 to 85, with a medium length 60 characters.

For comparison, the commonly used *A quick brown fox*… contains 42 characters. *Traveling beneath the …* is longest single sentence we've found, with 85 characters. *Pack my box…* is the shortest we've found with only 40 characters.
Traveling beneath the azure sky in our jolly oxcart, we often hit bumps quite hard.

Traveling beneath the … is the longest single sentence we’ve found which contains all 26 letters, with 85 characters.
Length comparison of 26 letter sentences

Pack my box with five dozen liquor jugs.

Pack my box... is the shortest sentence containing all 26 letters we've found, only 40 characters. Subtract period and spaces and you’re left with 32, only 6 repeated letters. Can you do better?

If you know any short 26 letter sentences we haven’t included, please send them to 26letters@ekatetra.com. We’ll include them in future editions for the exercise and enjoyment of EkaTetra users. And if you know any good exercises using symbols as well as letters, we’d like to know about them too. Send them to 26letters@ekatetra.com. Thanks.