

Two Thumb Chording

How fast can you type on a 12-key phone?



Current Methods

Multi-tap: 1-4 presses per letter > 48 presses
19 letters

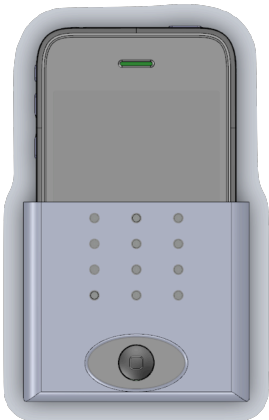
T9: hrd 2 type n shrt hand > 4 abbreviations
not in dictionary

Our Technique

- 1 **Chording**, press buttons together
- 2 **Ease** of QWERTY with only 12-keys
- 3 **Fast!** Type up to **55 WPM!**

		Letter Keys								
Chord Keys		2	3	4	5	6	7	8	9	
		a	d	g	j	m	p	t	w	
	*	<	b	e	h	k	n	q	u	x
	0		c	f	i	l	o	r	v	y
	#	—					s		z	
	1	1	2	3	4	5	6	7	8	9

Our Work



Software : customizable button layouts

Hardware : customizable tactile feedback

Future Work : Longitudinal **evaluation** to determine **speed** and **learnability**