**UniKey keyboard to be copied**

**!#$%&()\*+,-./0123456789<>?@ABCDEFGHIJKLMNOPQRSTUVWXYZ[\]^abcdefghijklmnopqrstuvwxyz{}ÀÁÂÃÈÉÊÌÍÒÓÔÕÙÚÝàáâãèéêìíòóôõùúýĂăĐđĨĩŨũƠơƯưẠạẢảẤấẦầẨẩẪẫẬậẮắẰằẲẳẴẵẶặẸẹẺẻẼẽẾếỀềỂểỄễỆệỈỉỊịỌọỎỏỐốỒồỔổỖỗỘộỚớỜờỞởỠỡỢợỤụỦủỨứỪừỬửỮữỰựỲỳỴỵỶỷỸỹ**

Top row, small letters:

Top line small letters: I typed the letter “a” before pressing the keys 1-6 and 8; “u” before 7, and “d” before 9 because this line is mostly used for the diacritics.)

a+1=á a+2=à a+3=ả a+4=ã a+5=ạ a+6=â u+7=ư or ơ a+8=ă d+9=đ b+9=ƀ n+4=ñ

The numbers work if they don’t come ofter the vowels or consonant “d” that the diacritics are modifying. If a number comes after an “a” for example, one has to type it twice to get the number.

a+11=a1 a+22=a2 etc.

Possible Vietnamese combinations:

v +1 accent ( tones) : tones: á é í ó ú à è ì ò ù ả ẻ ỉ ỏ ủ ã ẽ ĩ õ ũ ạ ẹ ị ọ ụ

v+ 1 accent (different v quality): ă â ê ô u+7= ư o+7=ơ

v + 2 accents (vowel quality and tones): ắ ằ ẳ ẵ ặ ấ ầ ẩ ẫ ậ ế ề ể ễ ệ ố ồ ổ ỗ ộ ứ ừ ử ữ ự ớ ờ ở ỡ ợ

Haroi orthography, not in Vietnamese:

long vowels: a e ê i o ô ơ u ư î u6

short vowels: ă ĕ ê̆ ĭ ŏ ô̆ ơ̆ ŭ ư̆ î8 u68

Additional strokes needed to Vietnamese keyboard:

v+1 accent (V quality): î u6

v+1 accent(shortness): ĭ ŏ ŭ

v+2 accents (v quality + shortness): â̆ ê̆ î8 ô̆ ơ̆ u68 ư̆

v + 2 accents (shortness and tones): ĭ1 ĭ2 ĭ3 ĭ4 ĭ5 ŏ1 ŏ2 ŏ3 ŏ4 ŏ5 ŭ1 ŭ2 ŭ3 ŭ4 ŭ5

v+3 accents (v quality, shortness plus tones: â̆1 â̆2 â̆3 â̆4 â̆5 ê̆1 ê̆2 ê̆3 ê̆4 ê̆5 î81 î82 î83 î84 î85

ô̆1 ô̆2 ô̆3 ô̆4 ô̆5 ơ̆1 ơ̆2 ơ̆3 ơ̆4 ơ̆5 u681 u682 u683 u684 u685 ư̆1 ư̆2 ư̆3 ư̆4 ư̆5