

## ZSpeak

by utz 08'2013

Yep, it's just another Z80 speech synthesizer. Nothing special, it just outputs vowel and consonant samples like all of them. But I figured, since there aren't too many speech synthesizers for TI calcs around, why not share it.

To use it, just set up a zero-terminated string, point bc to it, then *call speak*. See the included test.asm for details.

All sounds are denoted by a single lowercase letter. Spelling is similar to Spanish, German, Czech, Polish, etc, with a few exceptions for "special" sounds like sh and th.

Keep the following in mind when setting up your message strings:

- Use only lowercase letters
- Use { in place of a [space] for silence
- You can use values from 1..96 to set the pitch. \$1a is the standard value.

Letter	English	Deutsch	Français
a	<b>hutter</b>	<b>lachen</b>	<b>aller</b>
b	<b>ball</b>	<b>Ball</b>	<b>bol</b>
c	-	<b>nicht</b>	-
d	<b>direct</b>	<b>direkt</b>	<b>direct</b>
e	<b>cat</b>	<b>denken</b>	<b>très</b>
f	<b>fine</b>	<b>fein</b>	<b>fin</b>
g	<b>great</b>	<b>genau</b>	<b>gare</b>
h	<b>home</b>	<b>Haus</b>	-
i	<b>liver</b>	<b>Hitze</b>	<b>flic</b>
j	<b>that</b>	-	-
k	<b>coma</b>	<b>Kamm</b>	<b>contre</b>
l	<b>love</b>	<b>Liebe</b>	<b>livre</b>
m	<b>mine</b>	<b>mein</b>	<b>moi</b>
n	<b>name</b>	<b>Name</b>	<b>nature</b>
o	<b>orbit</b>	<b>Loch</b>	<b>nom</b>
p	<b>post</b>	<b>Post</b>	<b>poste</b>
q	<b>earth</b>	<b>hören</b>	<b>malheur</b>
r	<b>road</b>	<b>Raum</b>	<b>repeter</b>
s	<b>sound</b>	<b>sagen</b>	<b>son</b>
t	<b>table</b>	<b>Tisch</b>	<b>table</b>
u	<b>moon</b>	<b>Uhr</b>	<b>tour</b>
v	-	<b>üben</b>	<b>sud</b>
w	<b>valley</b>	<b>warten</b>	<b>valet</b>
x	-	<b>Krach</b>	<b>porte</b>
y	<b>May</b>	<b>leben</b>	<b>penser</b>
z	<b>sure</b>	<b>schade</b>	<b>chose</b>

To make longer vowels, repeat letters.

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Visit [www.irrlichtproject.de](http://www.irrlichtproject.de) for more Z80 software and music.