

IPA, SAMPA and HTK compatible SAMPA codes used for the British English SpeechDat

IPA	TIPA	SAMPA	HTK	Word	IPA	SAMPA
6 plosives						
p	\textipa{p}	p	p	pin	pɪn	pɪn
b	\textipa{b}	b	b	bin	bɪn	bɪn
t	\textipa{t}	t	t	tin	tɪn	tɪn
d	\textipa{d}	d	d	din	dɪn	dɪn
k	\textipa{k}	k	k	kin	kɪn	kɪn
g	\textipa{g}	g	g	give	gɪv	gɪv
2 phonemic affricates						
tʃ	\textipa{\texttshlig}	tʃ	tʃ	chin	tʃɪn	tʃɪn
dʒ	\textipa{\textdyoghlig}	dʒ	dʒ	gin	dʒɪn	dʒɪn
9 fricatives						
f	\textipa{f}	f	f	fin	fɪn	fɪn
v	\textipa{v}	v	v	vim	vɪm	vɪm
θ	\textipa{θ}	θ	θ	thin	θɪn	θɪn
ð	\textipa{ð}	ð	ð	this	ðɪs	ðɪs
s	\textipa{s}	s	s	sin	sɪn	sɪn
z	\textipa{z}	z	z	zing	zɪŋ	zɪŋ
ʃ	\textipa{ʃ}	ʃ	ʃ	shin	ʃɪn	ʃɪn
ʒ	\textipa{ʒ}	ʒ	ʒ	measure	meʒə	meʒə, meʒ@
h	\textipa{h}	h	h	hit	hɪt	hɪt
7 sonorants						
m	\textipa{m}	m	m	mock	mɒk	mɒk
n	\textipa{n}	n	n	knock	nɒk	nɒk
ŋ	\textipa{ŋ}	ŋ	ŋ	thing	θɪŋ	θɪŋ
r	\textipa{r}	r	r	wrong	rɒŋ	rɒŋ
l	\textipa{l}	l	l	long	lɒŋ	lɒŋ
w	\textipa{w}	w	w	wasp	wɒsp	wɒsp
j	\textipa{j}	j	j	yacht	jɒt	jɒt
6 “checked” vowels						
ɪ	\textipa{ɪ}	ɪ	ɪ	pit	pɪt	pɪt
e	\textipa{e}	e	e	pet	pɛt	pɛt
æ	\textipa{æ}	{	æ	pat	pæt	paet, p{t
ɒ	\textipa{ɒ}	Q	Q	pot	pɒt	pɒt
ʌ	\textipa{ʌ}	V	V	cut	kʌt	kʌt
ʊ	\textipa{ʊ}	U	U	put	pʊt	pʊt
1 central vowel						
ə	\textipa{ə}	@	eh	another	ənʌðə	ehnVDəh, @nVD@
13 “free” vowels						
i:	\textipa{i:}	i:	i:	ease	i:z	i:z
eɪ	\textipa{eɪ}	eɪ	eɪ	raise	reɪz	reɪz
aɪ	\textipa{aɪ}	aɪ	aɪ	rise	raɪz	raɪz
ɔɪ	\textipa{ɔɪ}	ɔɪ	ɔɪ	noise	nɔɪz	nɔɪz
u:	\textipa{u:}	u:	u:	lose	lu:z	lu:z
əʊ	\textipa{əʊ}	@U	ehU	nose	nəʊz	nehUz, n@Uz
aʊ	\textipa{aʊ}	aU	aU	rouse	raʊz	raUz
ɜ:	\textipa{ɜ:}	3:	Eh:	furs	fɜ:z	fEh:z, f3:z
ɑ:	\textipa{ɑ:}	A:	A:	stars	stɑ:z	stA:z
ɔ:	\textipa{ɔ:}	0:	0:	cause	kɔ:z	k0:z
ɪə	\textipa{ɪə}	I@	Ieh	fears	fɪəz	fIehz, fI@z
eə	\textipa{eə}	e@	eeh	stairs	steəz	steehz, ste@z
ʊə	\textipa{ʊə}	U@	Ueh	cures	kjʊəz	kjUehz, kjU@z

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