

## Appendix II

# Instrumentation Codes

### Introduction

Humdrum provides standard voice and instrument names in order to facilitate various tasks. Voice and instrument names are used both in tandem interpretations, and in AIN reference records identifying the instrumentation for a work (see Appendix I).

Instrument tandem interpretations are used to identify the instrumentation pertaining to a specified spine. The word "instrument" is used in a broad sense and embraces vocal qualities and vocal types as well as mechanical sound makers.

Three distinctions are currently made in Humdrum: *instrument name*, *instrument class* and *instrument group*. The following table identifies six pre-defined instrument classes:

*ICvox	voice
*ICstr	string instrument
*ICww	woodwind instrument
*ICbras	brass instrument
*ICklav	keyboard instrument
*ICidio	percussion instrument (idiophone)

The following table identifies five pre-defined instrument groups:

*IGacmp	accompaniment instrument
*IGsolo	solo instrument
*IGcont	basso-continuo instrument
*IGripn	ripieno instrument
*IGconc	concertino instrument

The following set of tables list currently defined instrument names. When the name is used to form an instrument tandem interpretation the instrument keyword is preceded by an asterisk and the upper-case letter 'I'. For example, the instrument tandem interpretation for the guitar is \*Iguitr. If the guitar appears as an instrument in a AIN Reference Record only the designation 'guitr' is used.

**Voice Range**

soprn	soprano
mezzo	mezzo soprano
calto	contralto
tenor	tenor
barit	baritone
bass	bass

**Voice Quality**

vox	generic (undesignated) voice
feme	female voice
male	male voice
nfant	child's voice
recit	recitativo
lyrsp	lyric soprano
drmsp	dramatic soprano
colsp	coloratura soprano
alto	alto
ctenor	counter-tenor
heltn	Heldentenor, tenore robusto
lyrtn	lyric tenor
bspro	basso profondo
bscan	basso cantante
false	false alto
castr	castrato

**String Instruments**

archl	archlute; <i>archiluth</i> (Fr.); <i>liuto attiorbato/arcileuto/arciliuto</i> (It.)
arpa	harp; <i>arpa</i> (It.), <i>arpa</i> (Span.)
banjo	banjo
biwa	biwa
bguit	electric bass guitar
cbass	contrabass
cello	violoncello
cemba	harpsichord; <i>clavecin</i> (Fr.); <i>Cembalo</i> (Ger.); <i>cembalo</i> (It.)
cetra	cittern; <i>cistre/sistre</i> (Fr.); <i>Cither/Zitter</i> (Ger.); <i>cetra/cetera</i> (It.)
clavi	clavichord; <i>clavicordium</i> (Lat.); <i>clavicorde</i> (Fr.)
dulc	dulcimer or cimbalom; <i>Cimbal</i> or <i>Hackbrett</i> (Ger.)
eguit	electric guitar
forte	fortepiano
guitr	guitar; <i>guitarra</i> (Span.); <i>guitare</i> (Fr.); <i>Gitarre</i> (Ger.); <i>chitarra</i> (It.)
hurdy	hurdy-gurdy; variously named in other languages
liuto	lute; <i>lauto</i> , <i>liuto leuto</i> (It.); <i>luth</i> (Fr.); <i>Laute</i> (Ger.)

kit	kit; variously named in other languages
kokyu	kokyu (Japanese spike fiddle)
komun	kŏmun'go (Korean long zither)
koto	koto (Japanese long zither)
mando	mandolin; <i>mandolino</i> (It.); <i>mandoline</i> (Fr.); <i>Mandoline</i> (Ger.)
piano	pianoforte
pipa	Chinese lute
psalt	psaltery (box zither)
qin	qin, ch'in (Chinese zither)
quitr	gittern (short-necked lute); <i>guitarre</i> (Fr.); <i>Quinterne</i> (Ger.)
rebec	rebec; <i>rebeca</i> (Lat.); <i>rebec</i> (Fr.); <i>Rebec</i> (Ger.)
sarod	sarod
shami	shamisen (Japanese fretless lute)
sitar	sitar
tambu	tambura
tanbr	tanbur
tiorb	theorbo; <i>tiorba</i> (It.); <i>tèorbe</i> (Fr.); <i>Theorb</i> (Ger.)
ud	ud
ukule	ukulele
vina	vina
viola	viola; <i>alto</i> (Fr.); <i>Bratsche</i> (Ger.)
violb	bass viola da gamba; <i>viole</i> (Fr.); <i>Gambe</i> (Ger.)
viold	viola d'amore; <i>viole d'amour</i> (Fr.); <i>Liebesgeige</i> (Ger.)
violn	violin; <i>violon</i> (Fr.); <i>Violine</i> or <i>Geige</i> (Ger.); <i>violino</i> (It.)
violp	piccolo violin; <i>violino piccolo</i> (It.)
violp	piccolo violin; <i>violino piccolo</i> (It.)
viols	treble viola da gamba; <i>viole</i> (Fr.); <i>Gambe</i> (Ger.)
violt	tenor viola da gamba; <i>viole</i> (Fr.); <i>Gambe</i> (Ger.)
zithr	zither; <i>Zither</i> (Ger.); <i>cithare</i> (Fr.); <i>cetra da tavola</i> (It.)

### Wind Instruments

accor	accordion; <i>accordéon</i> (Fr.); <i>Akkordeon</i> (Ger.)
armon	harmonica; <i>armonica</i> (It.)
bagpS	bagpipe (Scottish)
bagpI	bagpipe (Irish)
baset	bassett horn
calam	chalumeau; <i>calamus</i> (Lat.); <i>kalamos</i> (Gk.)
calpe	calliope
cangl	english horn; <i>cor anglais</i> (Fr.)
chlms	soprano shawm, chalmeye, shalme, etc.; <i>chalemie</i> (Fr.); <i>ciaramella</i> (It.)
chlma	alto shawm, chalmeye, shalme, etc.
chlmt	tenor shawm, chalmeye, shalme, etc.
clars	soprano clarinet (in either B-flat or A); <i>clarinetto</i> (It.)
clarp	piccolo clarinet
clara	alto clarinet (in E-flat)
clarb	bass clarinet (in B-flat)
cor	horn; <i>cor</i> (Fr.); <i>cornò</i> (It.); <i>Horn</i> (Ger.)

cornm	cornemuse; French bagpipe
corno	cornett (woodwind instr.); <i>cornetto</i> (It.); <i>cornaboux</i> (Fr.); <i>Zink</i> (Ger.)
cornt	cornet (brass instr.); <i>cornetta</i> (It.); <i>cornet à pistons</i> (Fr.); <i>Cornett</i> (Ger.)
ctina	concertina; <i>concertina</i> (Fr.); <i>Konzertina</i> (Ger.)
fagot	bassoon; <i>fagotto</i> (It.)
fag_c	contrabassoon; <i>contrafagotto</i> (It.)
fife	fife
flt	flute; <i>flauto</i> (It.); <i>Flöte</i> (Ger.); <i>flûte</i> (Fr.)
flt_a	alto flute
flt_b	bass flute
fltds	soprano recorder; <i>flûte à bec</i> , <i>flûte douce</i> (Fr.); <i>Blockflöte</i> (Ger.); <i>flauto dolce</i> (It.)
fltdn	sopranino recorder
fltda	alto recorder
fltdt	tenor recorder
fltdb	bass recorder
flugh	flugelhorn
hichi	hichiriki (Japanese double reed used in gagaku)
krums	soprano crumhorn; <i>Krummhorn/Krumbhorn</i> (Ger.); <i>tournebout</i> (Fr.)
kruma	alto crumhorn
krumt	tenor crumhorn
krumb	bass crumhorn
nokan	nokan (Japanese flute for the no theatre)
oboe	oboe; <i>hautbois</i> (Fr.); <i>Hoboe</i> , <i>Oboe</i> (Ger.); <i>oboe</i> (It.)
oboeD	oboe d'amore
ocari	ocarina
organ	pipe organ; <i>organum</i> (Lat.); <i>organo</i> (It.); <i>orgue</i> (Fr.); <i>Orgel</i> (Ger.)
panpi	panpipe
picco	piccolo
porta	portative organ
rackt	racket; <i>Rackett</i> (Ger.); <i>cervelas</i> (Fr.)
reedo	reed organ
sarus	sarrusophone
saxN	sopranino saxophone (in E-flat)
saxS	soprano saxophone (in B-flat)
saxA	alto saxophone (in E-flat)
saxT	tenor saxophone (in B-flat)
saxR	baritone saxophone (in E-flat)
saxB	bass saxophone (in B-flat)
saxC	contrabass saxophone (in E-flat)
shaku	shakuhachi
sheng	mouth organ (Chinese)
sho	mouth organ (Japanese)
sxhS	soprano saxhorn (in B-flat)
sxhA	alto saxhorn (in E-flat)
sxhT	tenor saxhorn (in B-flat)
sxhR	baritone saxhorn (in E-flat)
sxhB	bass saxhorn (in B-flat)
sxhC	contrabass saxhorn (in E-flat)

tromt	tenor trombone; <i>trombone</i> (It.); <i>trombone</i> (Fr.); <i>Posaune</i> (Ger.)
tromb	bass trombone
tromp	trumpet; <i>tromba</i> (It.); <i>trompette</i> (Fr.); <i>Trompete</i> (Ger.)
tuba	tuba
zurna	zurna

### Percussion Instruments

bdrum	bass drum (kit)
campn	bell; <i>campana</i> (It.); <i>cloche</i> (Fr.); <i>campana</i> (Span.)
caril	carillon
casts	castanets; <i>castañ'etas</i> (Span.); <i>castagnette</i> (It.)
chime	chimes
clest	celesta; <i>céleste</i> (Fr.)
crshc	crash cymbal (kit)
fingc	finger cymbal
glock	glockenspiel
gong	gong
marac	maracas
marim	marimba
piatt	cymbals; <i>piatti</i> (It.); <i>cymbales</i> (Fr.); <i>Becken</i> (Ger.); <i>kymbos</i> (Gk.)
ridec	ride cymbal (kit)
sdrum	snare drum (kit)
spshc	splash cymbal (kit)
steel	steel-drum, tinpanny
tabla	tabla
tambn	tambourine, timbrel; <i>tamburino</i> (It.); <i>Tamburin</i> (Ger.)
timpa	timpani; <i>timpani</i> (It.); <i>timbales</i> (Fr.); <i>Pauken</i> (Ger.)
tom	tom-tom drum
trngl	triangle; <i>triangle</i> (Fr.); <i>Triangel</i> (Ger.); <i>triangolo</i> (It.)
vibra	vibraphone
xylo	xylophone; <i>xylophone</i> (Fr.); <i>silofono</i> (It.)

### Keyboard Instruments

accor	accordion; <i>accordéon</i> (Fr.); <i>Akkordeon</i> (Ger.)
caril	carillon
cemba	harpsichord; <i>clavecin</i> (Fr.); <i>Cembalo</i> (Ger.); <i>cembalo</i> (It.)
clavi	clavichord; <i>clavicordium</i> (Lat.); <i>clavicorde</i> (Fr.)
clest	celesta; <i>céleste</i> (Fr.)
forte	fortepiano
hammd	Hammond electronic organ
organ	pipe organ; <i>orgue</i> (Fr.); <i>Orgel</i> (Ger.); <i>organo</i> (It.); <i>organo</i> (Span.); <i>organum</i> (Lat.)
piano	pianoforte
porta	portative organ
reedo	reed organ
rhode	Fender-Rhodes electric piano
synth	keyboard synthesizer