

# The JControl iMelody Format (IMY)

The JControl iMelody format is compatible with the iMelody format specified by *Infrared Data Association* (IrDA).

**<melody>** = {<silence>|<note>|<repeat>}+

**<silence>** = <rest><duration>[<duration-specifier>]  
**<rest>** = "r"

**<repeat>** = "(" {<silence>|<note>} + "@" <repeat-count> ")"  
**<repeat-count>** = "0"|"1"|"2"|... (0 is repeat forever)

**<note>** = [<octave-prefix>]<basic-ess-iss-note><duration>[<duration-specifier>]  
**<octave-prefix>** = "\*0"|"\*1"|"\*2"|...  
**<basic-ess-iss-note>** = <basic-note>|<ess-note>|<iss-note>  
**<basic-note>** = "c"|"d"|"e"|"f"|"g"|"a"|"b"  
**<ess-note>** = "&d"|"&e"|"&g"|"&a"|"&b" (flat notes)  
**<iss-note>** = "#c"|"#d"|"#f"|"#g"|"#a" (sharp notes)

**<duration>** = "0"|"1"|"2"|"3"|"4"|"5"  
**<duration-specifier>** = "."|" ":"|";"

*Note:* No <repeat> block within <repeat> block!

## Duration:

0 - Full-note  
1 - 1/2-note  
2 - 1/4-note  
3 - 1/8-note  
4 - 1/16-note  
5 - 1/32-note

## Duration Specifier:

none - No special duration  
.- Dotted note  
:- Double dotted note  
;- 2/3 length