The JControl iMelody Format (IMY)

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

```xml
<melody> = { <silence>|<note>|<repeat> }+
<silence> = <rest><duration>[<duration-specifier>]
<rest> = "t"
<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