



To the Software Contractors,

My company has engaged your design team to help us develop the software for the next generation of clock radios. Our intention is to make this clock radio one that redefines waking up in the morning.

The characteristics are as follows:

- It will have all normal functionality of conventional AM/FM clock radios. We do expect, of course, that you document this fully, to avoid misunderstandings.
 - It must be extremely easily possible for this new clock radio to be used as a simple, minimal-function clock radio if the user desires.
- It will have a control pad that contains the following buttons:
 - numbers 0 to 9, with buttons 1 to 7 also labeled with the days of the week
 - decimal
 - arrows (4 buttons)
 - OK
 - Cancel

Other buttons can be added if needed but keep in mind that we do not want to do so unnecessarily since that increases the cost of manufacture. This control pad may be on the clock radio itself or may be a remote control unit.

- It will have a small display that will be used to display the time and other status information normally. It will also be used to allow the user to interact with the software's user interface for setting up the settings. This will be optionally backlit.
- There will be a large number of alarms settable. The alarms can be set to go off on a specific day of the year, on a specific day of the week, every day, or other variations thereof. This must be flexible, yet easy to use.
 - Volume of alarm and radio must be customizable.
 - The radio station associated with an alarm must be settable.
 - We are open to the user having access to a Basic and Advanced level of operation but only if your team thinks it is doable in the time given.
 - This is our main selling feature so it must be designed exceptionally well!
- The user will have the ability to set many radio presets.
- Alarm tones must be customizable, with the aim to provide downloading in the future.
- The clock radio must interface with a hardware sensor that detects whether the person has gotten out of bed or not (and wakes them again after a time period if they have not gotten up). The hardware manufacturer will be in touch with you to provide you with interface details.
- We are open to other features that are along the same lines as those above as long as they do not add hardware or manufacturing expense and do not make the operation unnecessarily complex.

We expect that the software will be delivered and working on time.

Thank you and see you in six months,

Fred Rubble

Fred Rubble, Marketing Manager
Bedrock TV and Electronics