

Prototype Revisions

Between the alpha and beta stages, Luma went through several revisions based on testing, feasibility constraints and feedback from early interactions with the physical mirror. These changes improved reliability, reduced setup friction and strengthened alignment with our objective: supporting calm, phone-free morning routines.

1. Simplified hardware interaction

We did a remote control redesign. After observing and testing, we removed all unnecessary or misleading actions and re-mapped the remote to support only core interactions. The changes we made are:

- Removed calibration mode entirely
- Removed unused or confusing buttons
- Consolidated interactions into: power, directional arrows (navigate menu), ok/select, FUNC/STOP (go back/cancel), vol +/- repurposed as brightness control and EQ used only for rearranging modules.

This updated remote mapping, matches real user needs and supports quick, low effort interactions, reinforcing the calm tech principle of no extra cognitive overhead.

2. Improved brightness handling

In the alpha version, brightness was controlled using fixed values (0 and 1), which felt too limited. In the beta revision: VOL + / - now adjust brightness dynamically

This allows users to adapt the screen to different lighting conditions and makes the mirror feel more natural and comfortable to use.

3. Final system stability improvements

We fixed several performance issues from the alpha version:

- Optimized weather + calendar API calls
- Reduced screen tearing on transitions
- Improved handling of connection errors
- Added a reliable “go back/cancel” function for easier navigation

These reliability improvements ensure the mirror behaves like a consistent, trustworthy part of the morning routine.

Alignment with design objectives

The beta prototype now:

- Provides essential morning info
- Reduces phone dependence
- Eliminates unnecessary interaction steps
- Supports calm, distraction-free routines
- Behaves like an intuitive household object
- Maintains simplicity, clarity and reliability

The revisions make the system function, usable and meaningfully supportive of human routines.