LG SMART FRIDGE

Matthew Walcher & Caitlyn O'Driscoll

Home Screen

Header: The top header will be displayed on every page. The header shows the current date and time for the user. The header also has 4 icons: the wifi icon indicates when you are connected to wifi, the lock icon indicates when your device is locked, the sync icon appears when you are syncing with another device and the alert icon will appear if your fridge has any technical issues. When the alert icon shows up the user will also get a pop up that will indicate what the issue is and a link for more information that will redirect them to the alerts page in settings, which will give them more information about how to fix their fridge.

Footer: The footer navigation will also be displayed on every page to allow the user to easily navigate to any page with fewer clicks. There is a link for the lock screen, home screen, food manager, grocery list, recipes, notepad, unit converter, calendar and settings.
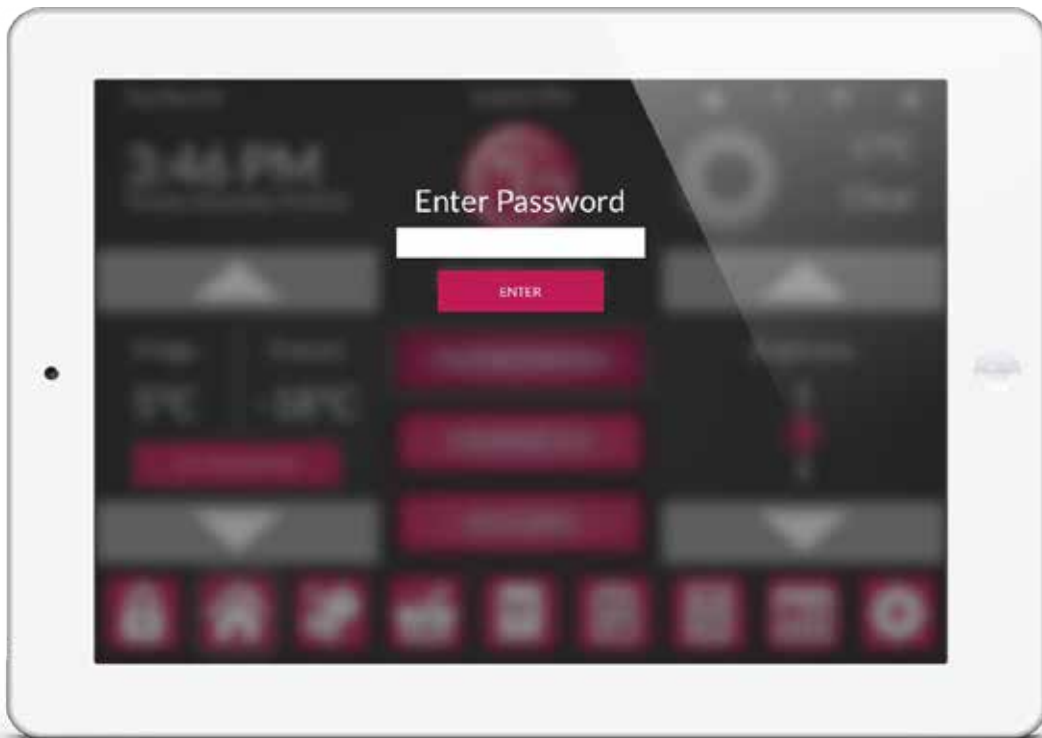
Home: The home screen displays the current time and date at the top. When you click on the time here it will toggle between 12 hour and 24 hour time. This will also adjust the time displayed in the header. The current temperature is displayed in Celsius, with a word and icon describing the current weather. When you click on the degree it will toggle between Celsius and Fahrenheit. The home screen has a setting to adjust the temperature in the fridge and freezer. In order to adjust the temperature you must click on the degrees of either fridge or freezer and then you can adjust the degrees with the arrows. When you are done you press the set button to set the new temperature. The middle panel lets you adjust what the fridge will dispense. You can choose from water, crushed ice, or ice cubes. The right panel lets you adjust the brightness of the smart fridge screen. Use the arrows to increase or decrease the brightness.

Lock Screen

Lock: The user can lock the screen by clicking on the lock icon in the footer navigation. When the screen is locked it will dim in brightness and the lock icon in the header will switch to locked. When you click again on the screen it will prompt you to put in the password to unlock it. If you do not unlock the screen within two minutes the screen will go back to being locked. After you enter the correct password the screen will be unlocked.

Food Manager

Food Manager: The Food Manager helps you keep track of the contents of your fridge and freezer. There are six categories: Produce, Meat & Seafood, Dairy, Natural Foods, Drinks and Frozen foods. When you click a category it will show all of the food in your fridge under that category. Each item will display the name of the food, how many there are and when they are going to expire to help you keep track of your food better and prevent waste. When you click on the item it will flip around so you can adjust the quantity of the item or simply remove it.
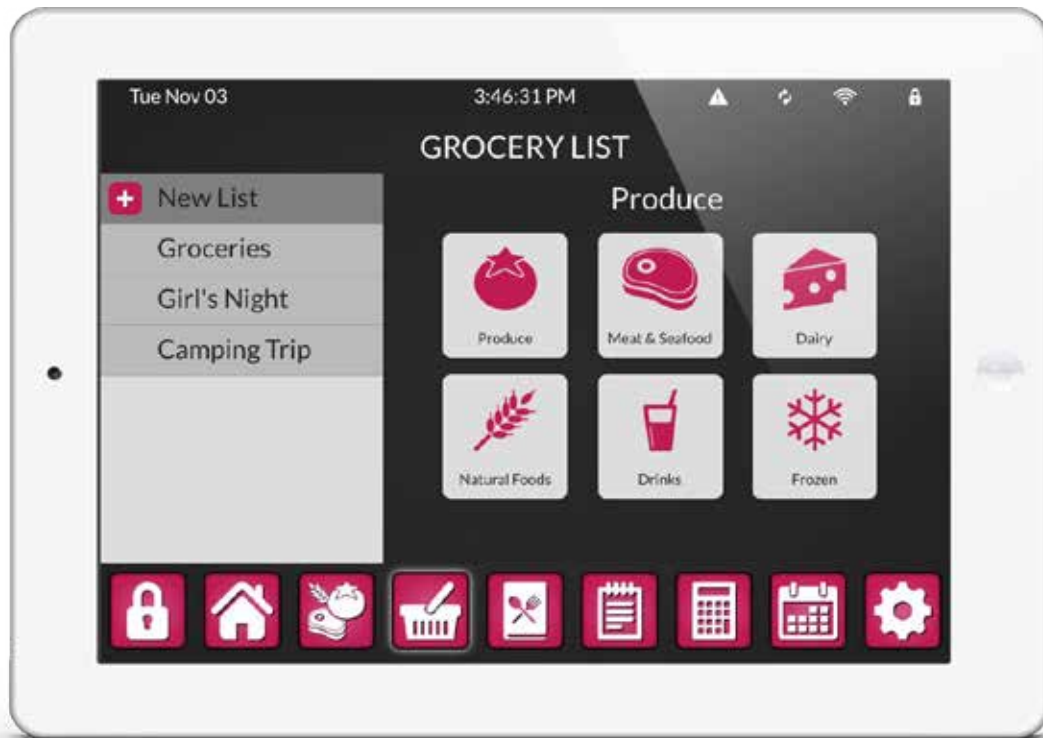
Grocery List

Grocery List: Grocery List allows you to add new lists for grocery shopping. You can make lists for general shopping, for special occasions, fun nights, trips, etc. When you click on a list it will divide up your list into the six food manager categories: produce, meat & seafood, dairy, natural foods, drinks and frozen foods. Within each category it will display the food you have in that category as well as the ability to add new items to your list. The grocery list section is very handy because it syncs with the lists on your phone, so you can adjust your lists from your phone as well. The us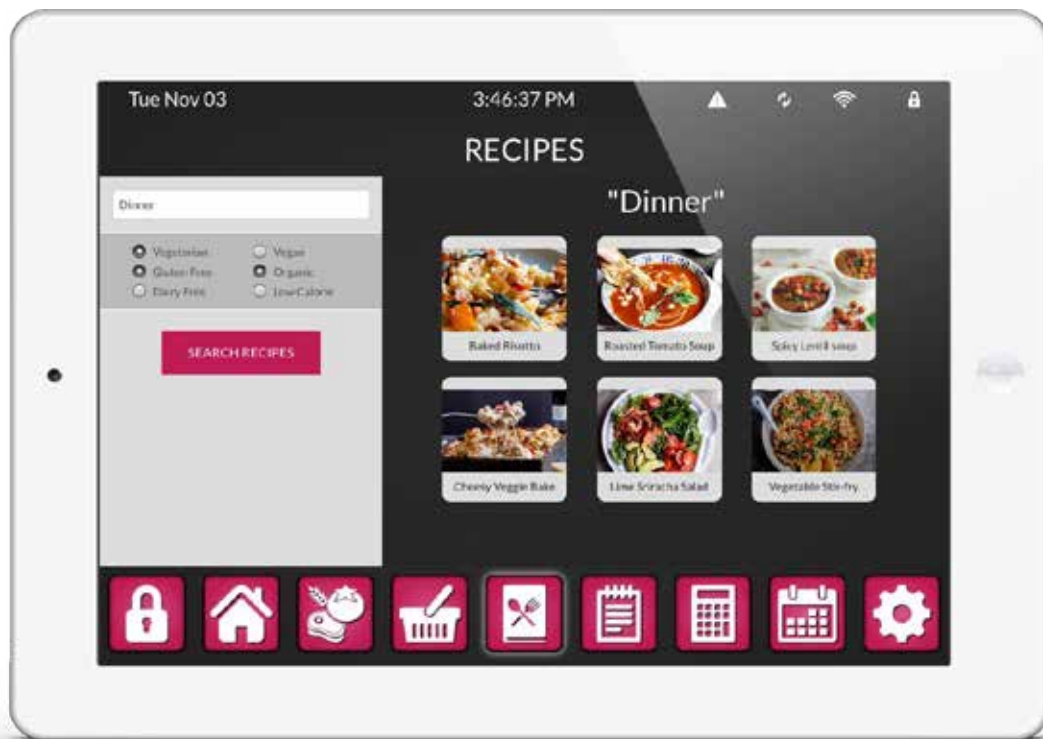er can scan their grocery receipts with their phone and it will automatically add the food purchased on a queue. When you sync your phone with your fridge the new items will automatically be added to your food manager. This feature allows your food manager to stay up to date without the user having to add in each new item manually. The food manager will know the quantity and the expiry date of all the newly synced items.

Recipes

Recipes: Recipes allows you to search the LG database of recipes. You can search key terms or key ingredients and the search will show you what recipes relate to your search. You can also narrow your search down further by dietary restrictions to help the search narrow down the perfect meal for you. The recipe search takes into account the contents of your fridge and recipes that contain more items that are already in your fridge will take priority in the search results. The suggested items will show a preview image of the recipe as well as a title. When you click on a search item it will open up the full recipe page with cooking instructions and ingredients.
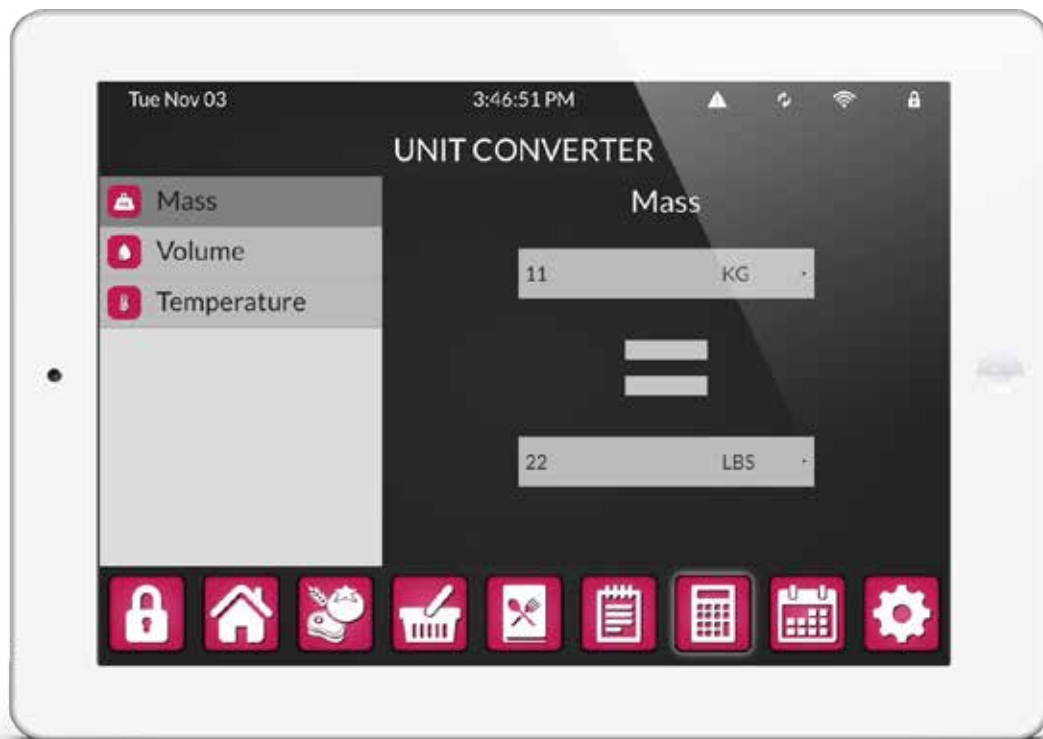
Notepad

Notepad: Notepad allows you to save notes and lists like the ones you would stick on your old fridge. The notepaper background makes it feel like a regular notepad.

Unit Converter

Unit Converter: The Unit Converter allows you to convert the units of your recipe to allow you to put in precise measurements. You can convert units that involve mass, volume or temperature. Using the top input field you can enter the number you want to convert and using the select box to the right you can choose the proper unit of measurement. You can then select which unit you would like to convert to and the converter will display the number on the bottom input.

Calendar

Calendar: Calendar shows the current month and the upcoming events that you have in your calendar. The Calendar syncs with your phone calendar so you can keep track of events. If there is an event that month, it will be indicated by a red circle around the number.

Settings

Settings: Settings contains all the utility features of your smart fridge. Here you can connect to wifi and change your password for the lock screen. The alerts tab will show you if your fridge has any technical issues. It will show what's broken, the error code and who to contact to get it fixed, with the phone number. The User Guide contains videos to teach the user how to use all the features of the smart fridge. Contact holds the contact information for LG in case you have any inquires about Smart Fridge. The sync section is where you would go to sync your devices to your fridge.