

Trademark: **DIGI**

Model Name: **IB-3100**

Product Name: **Base Station**

Federal Communication Commission Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

IMPORTANT NOTE:

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

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USER MANUAL



Digi Info ESL Tentative 04

Ver. 0.18.080122.1 (Updated on 15/03/08)

INFO SERVER ADMINISTRATOR MENU

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Info Server Administrator Menu is used by store people to do daily maintenance e.g. retrieves tag data, send display, sticker printing and etc. To use these operations (e.g. send display, sticker printing and etc), it is required for the user to program/design setting/format in the Info Server Serviceman Menu Screen in advance.

- [PRICE TAG](#)
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PRICE TAG

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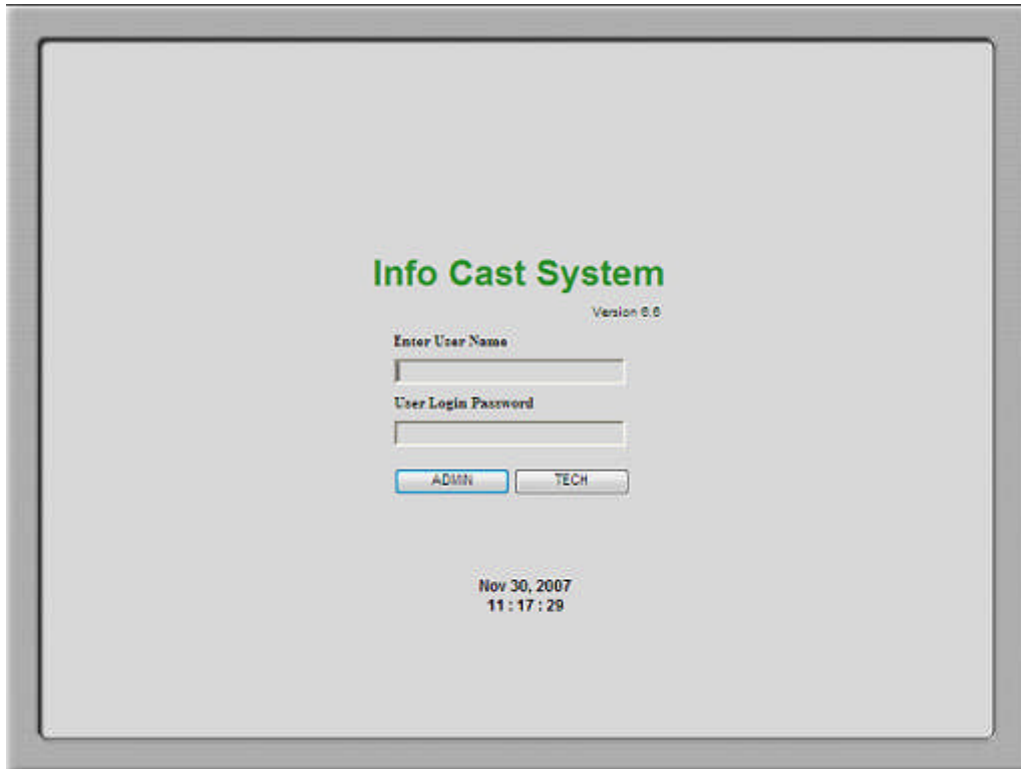
Price Tag is used to view data/values that displayed on tag for each item, to print sticker and update data to single tag each time.

- [ENTRY TO PRICE TAG](#)
- [OVERVIEW OF PRICE TAG](#)

ENTRY TO PRICE TAG

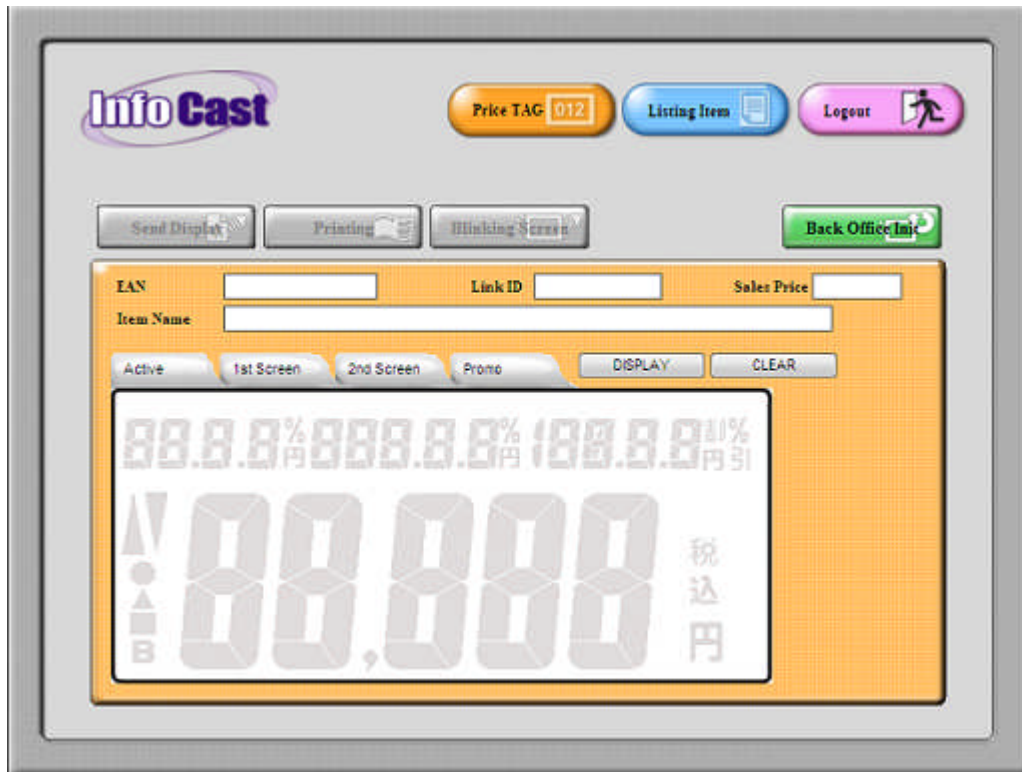
[Home] [Up]

1. At the **Info Cast Main Screen**



2. Press **[ADMIN]** button to enter to **Administrator Menu** and enter to **Price Tag screen**

Note: No "User Name" or "Password" required using this mode.



~ OR ~

1. During in other screen



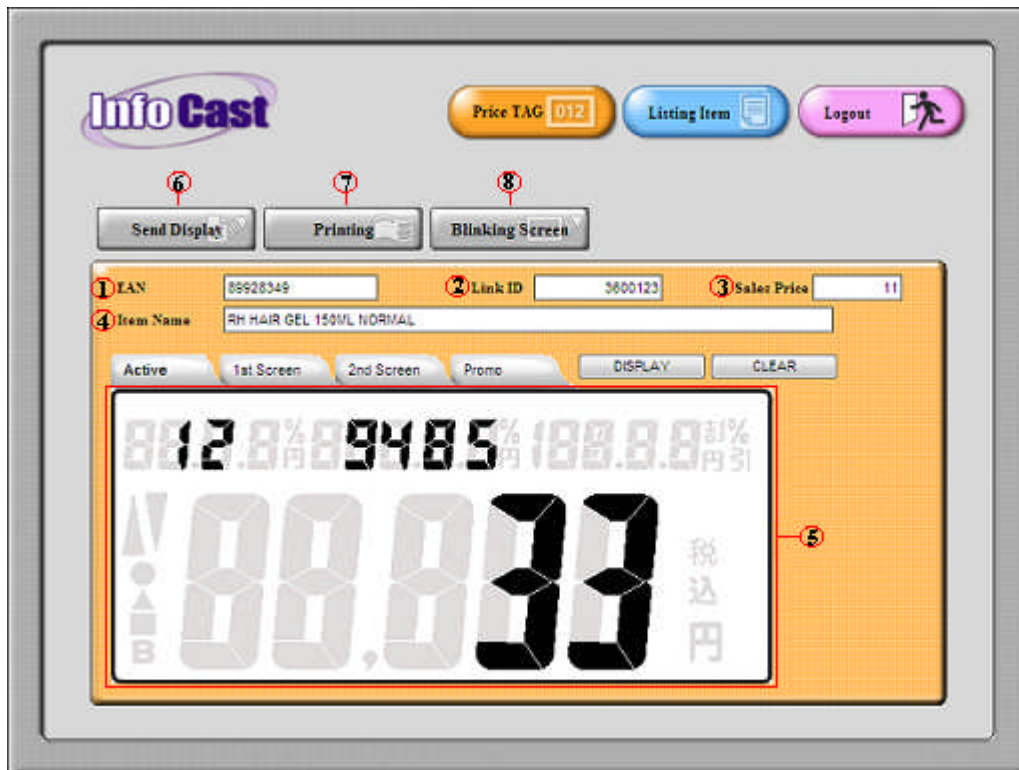
2. Press [PRICE TAG] button to go to Price Tag screen



3. Do operations as desired

OVERVIEW OF PRICE TAG

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1. EAN

- To search item by a EAN code (European article number)
- Scan barcode or enter value by keyboard and press **[DISPLAY]** button to search entered item data
- **Note:** To enter value by keyboard, user are required to follow [Manual Key-in Barcode Data](#) table

2. Link ID

- To search item by a Link ID code
- Press **[SEARCH]** button to search entered item data

3. Sales Price

Display Sales Price of the searched item

4. Item Name

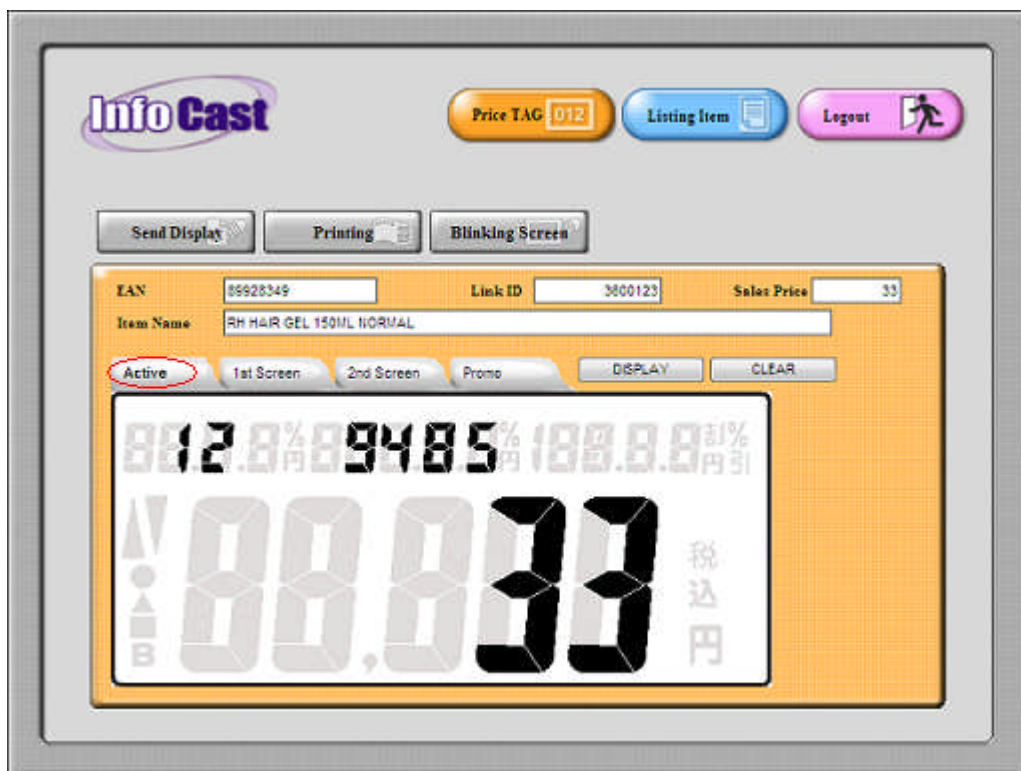
Display item name of the searched item

5. Tag Display Screen

- Display searched item data on the Tag Display (depend on the tag format)
- Able to view 3 screen of tag for each item

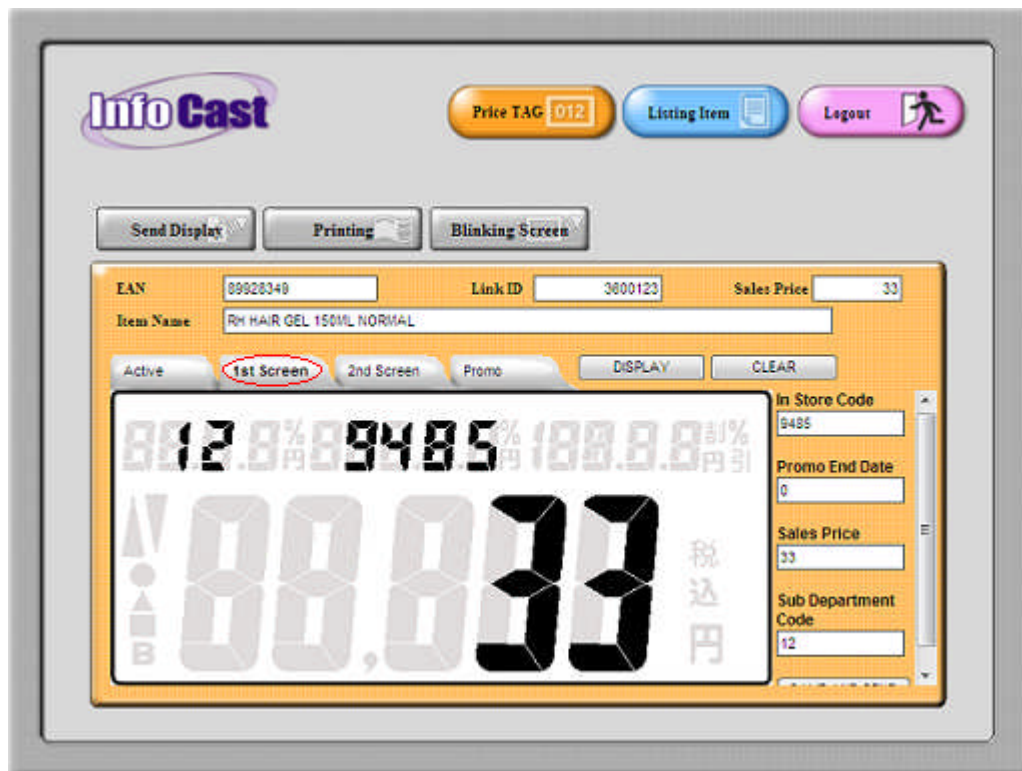
a) Active

- To view the data and value displayed in active screen
- Press [**Active**] Tab/button to view the active screen



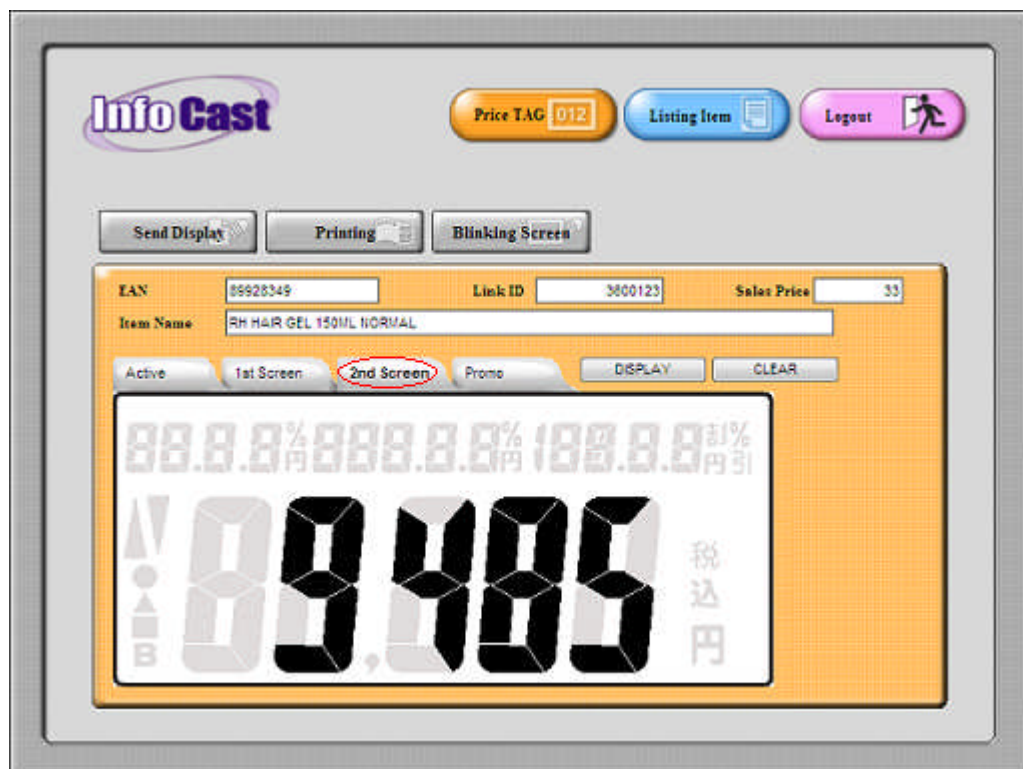
b) 1st Screen

- To view the data and value displayed in 1st screen
- Press [**1ST SCREEN**] Tab/button to view the 1st screen



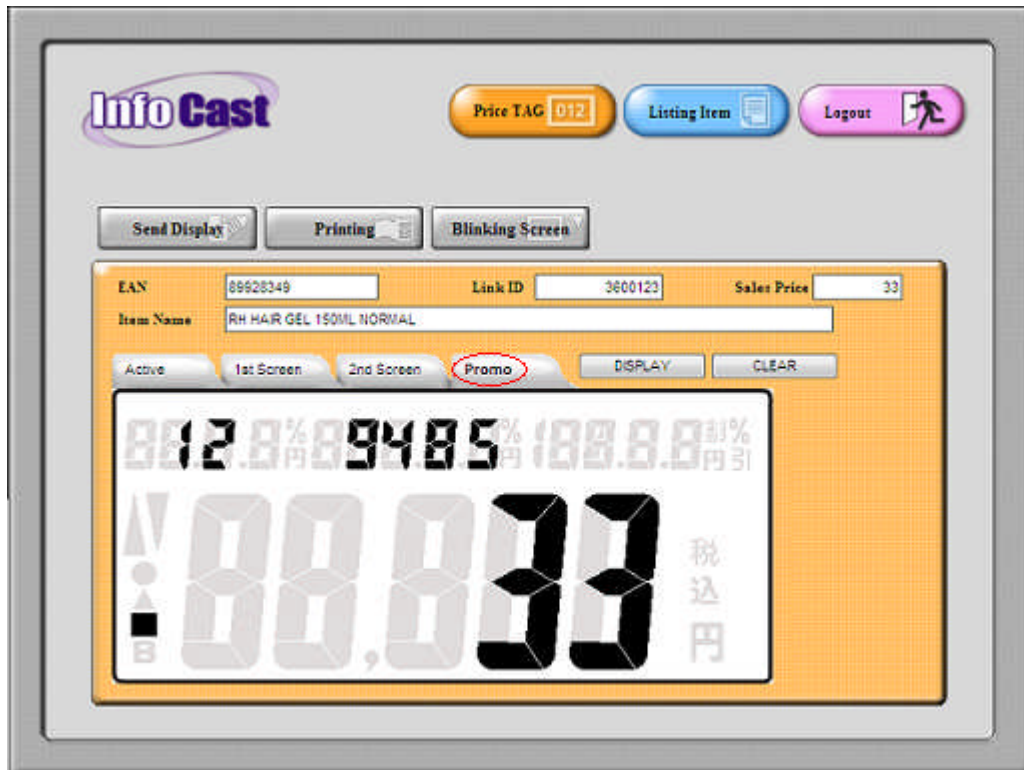
c) 2nd Screen

- To view the data and value displayed in 2nd screen
- Press [2ND SCREEN] Tab/button to view the 2nd screen



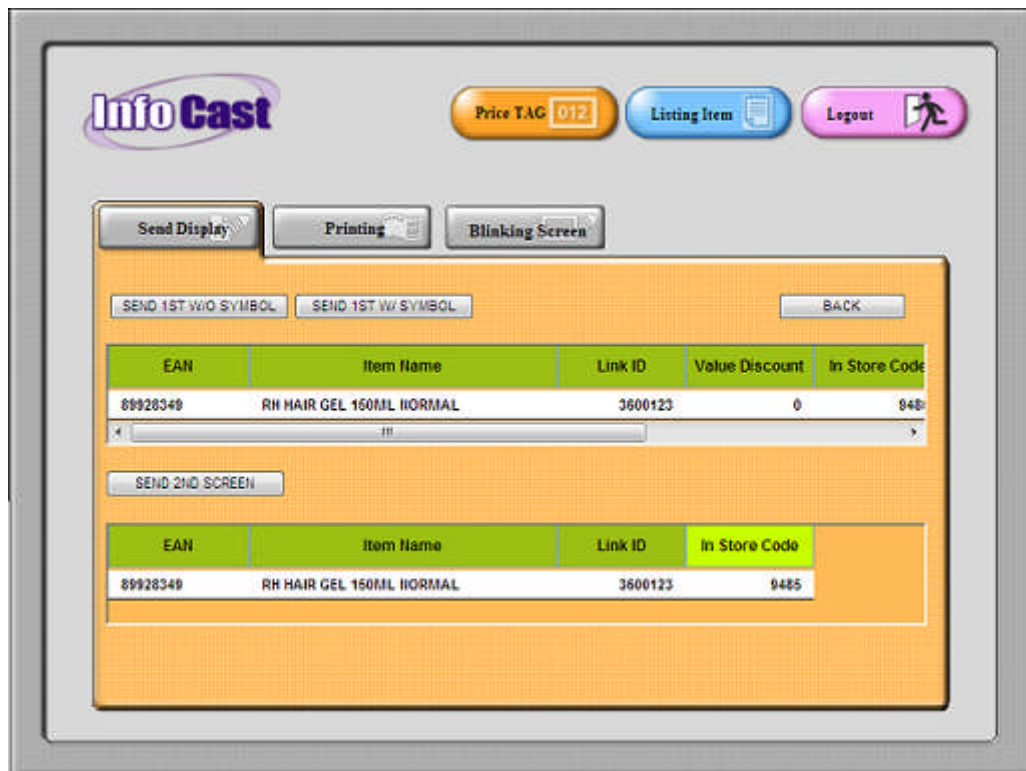
d) Promo Screen

- To view the data and value displayed in promotion screen
- Press [**PROMO SCREEN**] Tab/button to view the promo screen



6. Send Display

- Press [**SEND DISPLAY**] button to enter Send Display screen



- To resend item data to tag, this function is useful when the tag is hang or display incomplete data
- Press **[BACK]** button to exit Send Display screen and return to price tag main screen

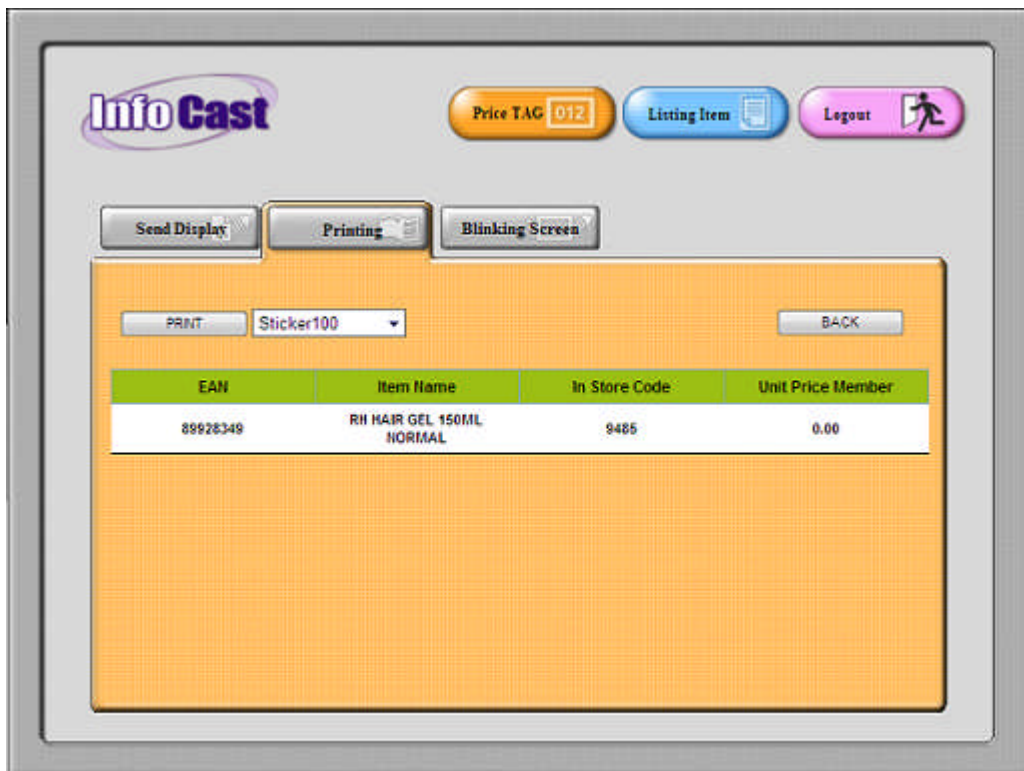
a) **[SEND 1ST W/O SYMBOL]** button - to send the 1st screen numeric/digits data, without symbol e.g. decimal point, Sales message and etc to selected tag

b) **[SEND 1ST W/ SYMBOL]** button - to send the 1st screen numeric/digits data, with symbol e.g. decimal point, Sales message and etc to selected tag

c) **[SEND 2ND SCREEN]** button - to send the 2nd screen to selected tag

7. Printing

- To print sticker or paper tag for the selected item
- Press **[PRINTING]** button to enter Sticker & Paper Tag Printing screen

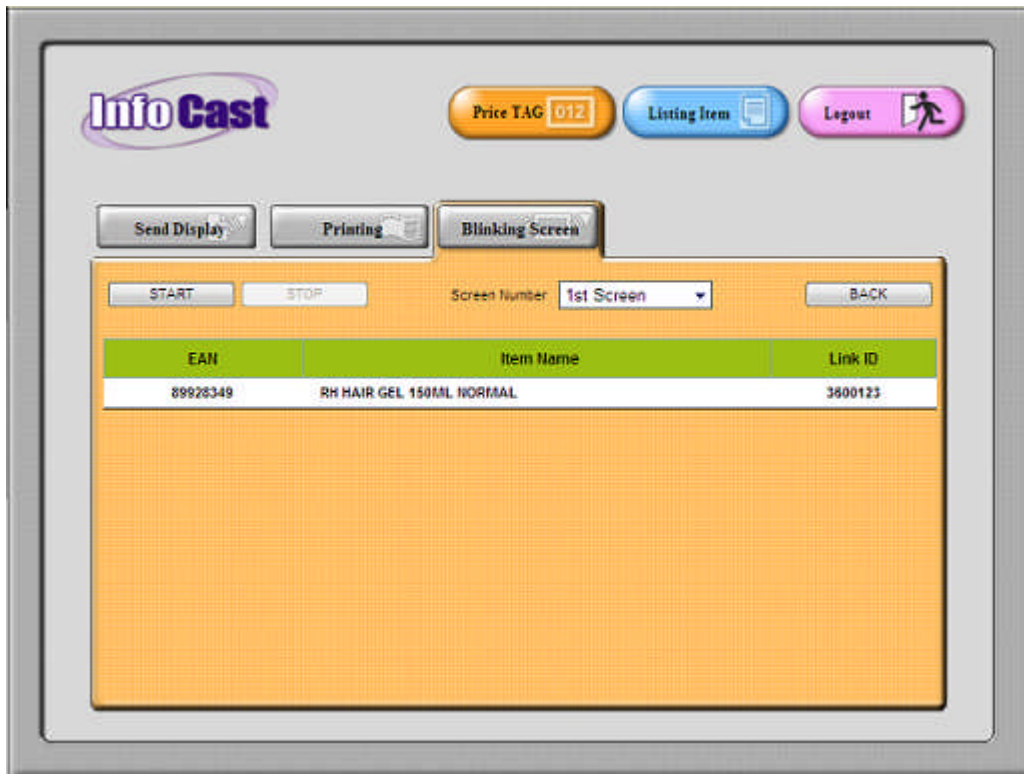


- Press **[BACK]** button to exit Sticker & Paper Tag Printing screen and return to price tag main screen
 - a) **[PRINT]** button - to print sticker or paper tag for selected item
 - b) **[STICKER TYPE]** selection - to select available sticker type for printing

Note: Sticker type is required to be programmed in Sticker/Paper Tag Format Design in advance

8. Blinking Screen

- To set selected tag to blink tag displayed data
- Press **[BLINKING SCREEN]** button to enter Blinking Screen mode screen



- Press **[BACK]** button to exit Blinking Screen mode screen and return to price tag main screen
 - a) **[START]** button - to start blinking tag display
 - b) **[STOP]** button - to stop blinking tag display
 - c) **[SCREEN NUMBER]** selection - to select page of tag to be displayed after stop blinking operation

Note1: Press  button, to select data from available list

Note2: Click box to enter desired data

Note3: Press **[CLEAR]** button to clear data retrieved or entered

Note3: press  button, to exit from Maintenance screen, Price/Transaction Maintenance screen.

LISTING ITEM

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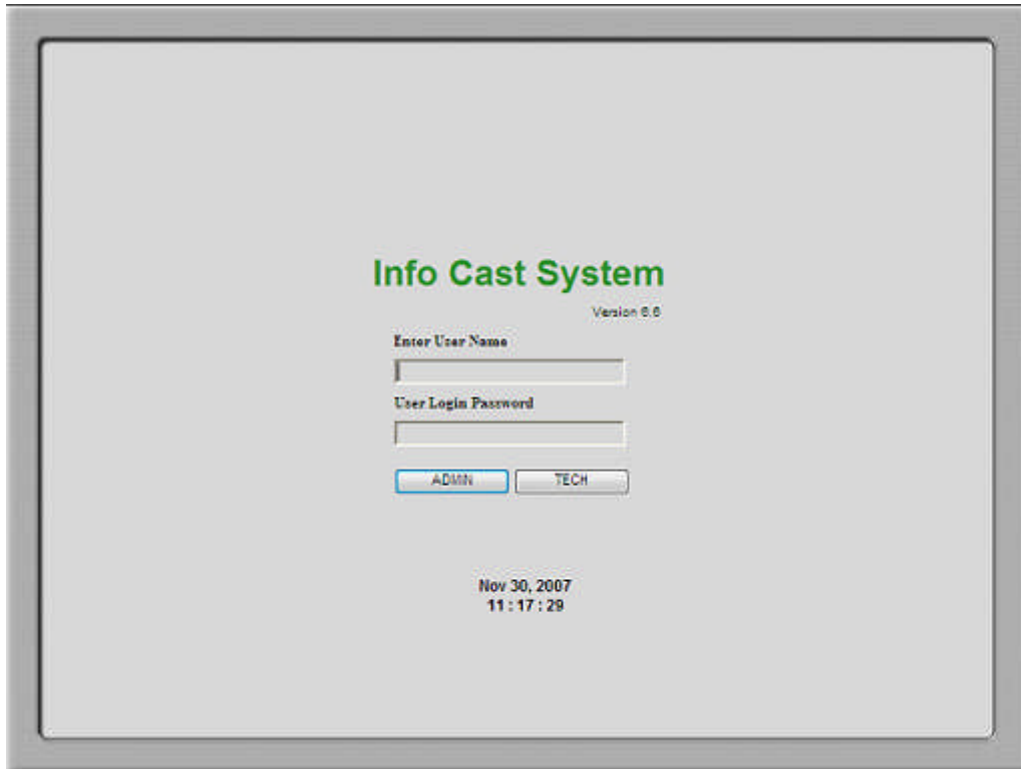
Listing Item is used to search data, to check error log, to print sticker and update data to multiple price tag.

- [ENTRY TO LISTING ITEM](#)
- [OVERVIEW OF LISTING ITEM](#)

ENTRY TO LISTING ITEM

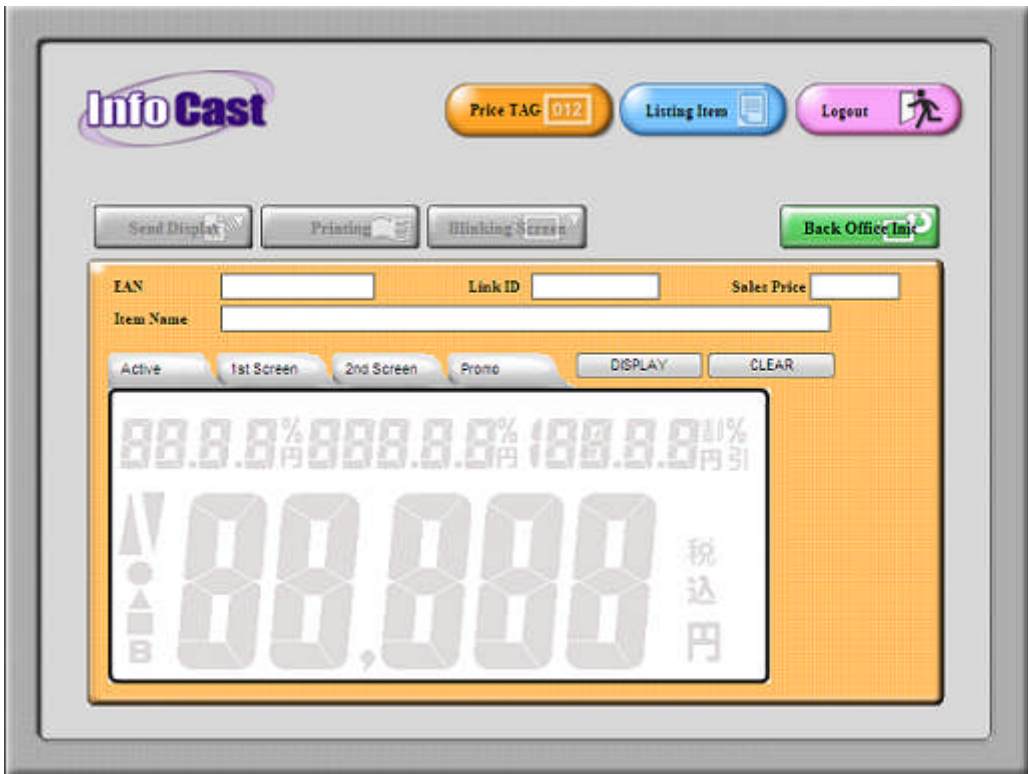
[Home] [Up]

1. At the **Info Cast Main** Screen

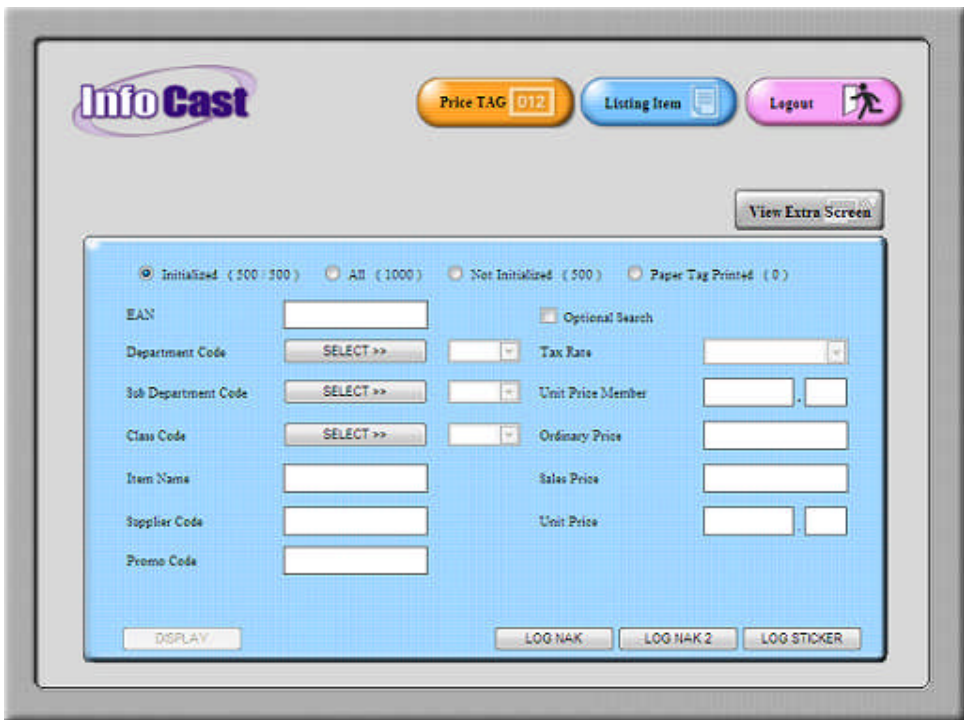


Note: No "User Name" or "Password" required using this mode

2. Press [ADMIN] button to enter to **Administrator Menu** and enter to **Price Tag** screen



3. Then press [LISTING ITEM] button to go to Listing Item screen



4. Do operations as desired

OVERVIEW OF LISTING ITEM

[Home] [Up]

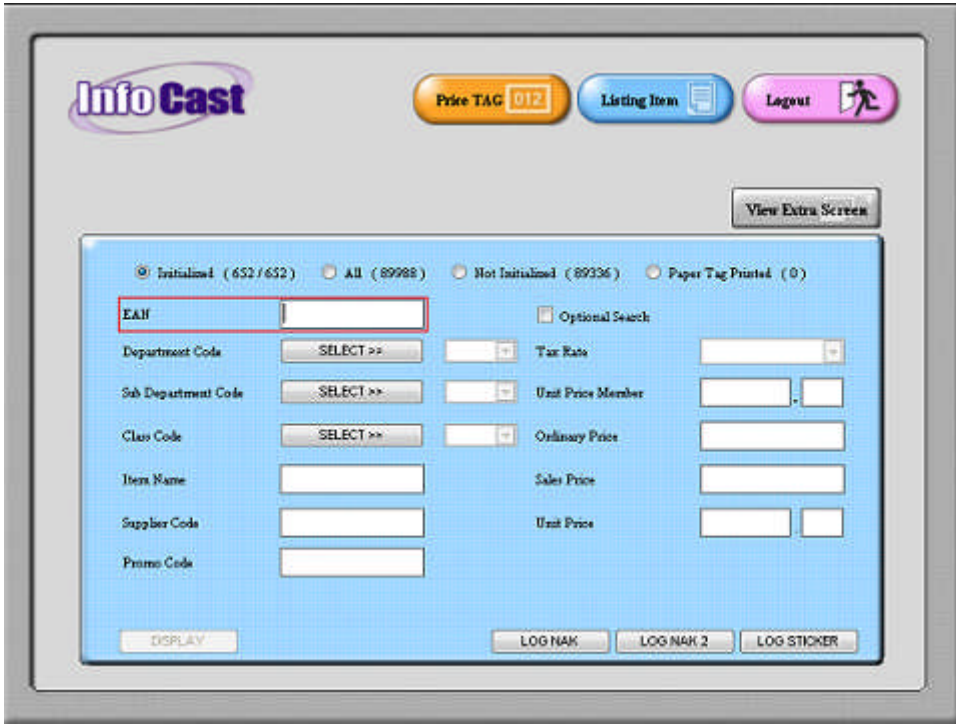
1. Search Range

- To select search range for searching item
- **Initialized** - To search items within initialized tag
- **Not Initialized** - To search items within items that not been initialized with tag
- **All** - To search all range of item (initialized and not initialized)
- **Paper Tag Printed** - To search item within item that has printed paper tag
- **Note:** The number in "**(xx)**", indicate number of items available for each search option type

The screenshot shows the 'Search Range' interface. At the top, there is a header with the 'InfoCast' logo and three buttons: 'Price TAG 012', 'Listing Item', and 'Logout'. Below the header, there is a 'Search Range' section with a 'View Extra Screen' button. The search options are: 'Initialized (652/652)', 'All (89988)', 'Not Initialized (89336)', and 'Paper Tag Printed (0)'. The 'Initialized' option is selected. Below the options, there are input fields for EAN, Department Code, Sub Department Code, Class Code, Item Name, Supplier Code, and Prime Code. There are also fields for Optional Search, Tax Rate, Unit Price Member, Ordinary Price, Sales Price, and Unit Price. At the bottom, there are buttons for 'DISPLAY', 'LOG NAK', 'LOG NAK 2', and 'LOG STICKER'.

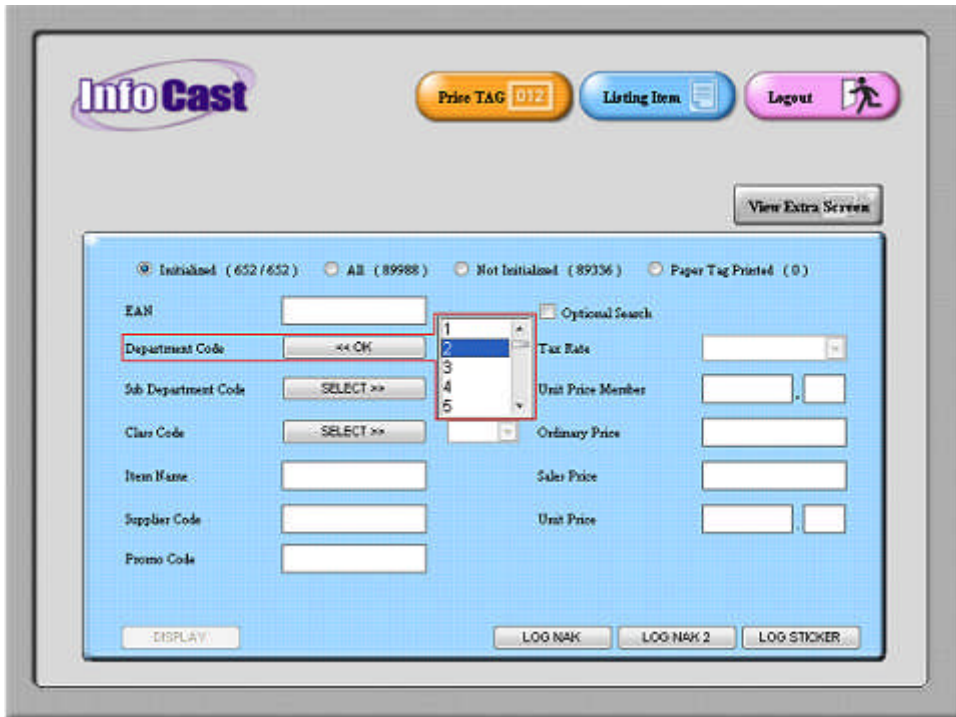
2. EAN

- To search item by a EAN code (European article number)
- Scan barcode or enter value by keyboard and press **[DISPLAY]** button to search entered item data
- **Note:** To enter value by keyboard, user are required to follow [Manual Key-in Barcode Data table](#)



3. Department Code

- To search item by department code
- Press **[SELECT]** button to view available department code
- Select department code and press **[OK]** button



4. Sub-Department Code

- To search item by sub-department code
- Press **[SELECT]** button to view available sub-department code
- Select sub-department code and press **[OK]** button

The screenshot displays the 'InfoCast' interface. At the top, there are buttons for 'Price TAG 012', 'Listing Item', and 'Logout'. A 'View Extra Screen' button is located in the top right. The main area contains a search form with the following fields and options:

- Radio buttons for: Initialised (652 / 652), All (89988), Not Initialised (89336), Paper Tag Printed (0)
- Text input for EAN
- Text input for Department Code with a 'SELECT >>' button
- Text input for Sub Department Code with an '<< OK' button
- Text input for Class Code with a 'SELECT >>' button
- Text input for Item Name
- Text input for Supplier Code
- Text input for Promo Code
- Text input for Tax Rate
- Text input for Unit Price Member
- Text input for Ordinary Price
- Text input for Sales Price
- Text input for Unit Price
- Checkboxes for 'Optional Search' and 'Unit Price Member'

A dropdown menu is open over the 'Sub Department Code' field, showing a list of numbers: 1, 2, 3, 4, 5. The number '2' is currently selected and highlighted.

At the bottom of the form are buttons for 'DISPLAY', 'LOG NAK', 'LOG NAK 2', and 'LOG STICKER'.

5. Class Code

- To search item by class code
- Press **[SELECT]** button to view available class code
- Select class code and press **[OK]** button

The screenshot shows the 'InfoCast' software interface. At the top, there are buttons for 'Price TAG 012', 'Listing Item', and 'Logout'. A 'View Extra Screen' button is located in the top right. The main search area contains several fields and options:

- Radio buttons for search criteria: 'Initialised (652/652)', 'All (89988)', 'Not Initialised (89336)', and 'Paper Tag Printed (0)'. The 'Initialised' option is selected.
- Fields for EAN, Department Code (with a 'SELECT >>' button), Sub Department Code (with a 'SELECT >>' button), Class Code (with a '<< OK' button), Item Name, Supplier Code, and Promo Code.
- A dropdown menu for Class Code is open, showing options 1, 2, 3, 4, and 5. A red box highlights this dropdown.
- Fields for Tax Rate, Unit Price Member, Ordinary Price, Sales Price, and Unit Price.
- Buttons at the bottom: 'DISPLAY', 'LOG NAK', 'LOG NAK 2', and 'LOG STICKER'.

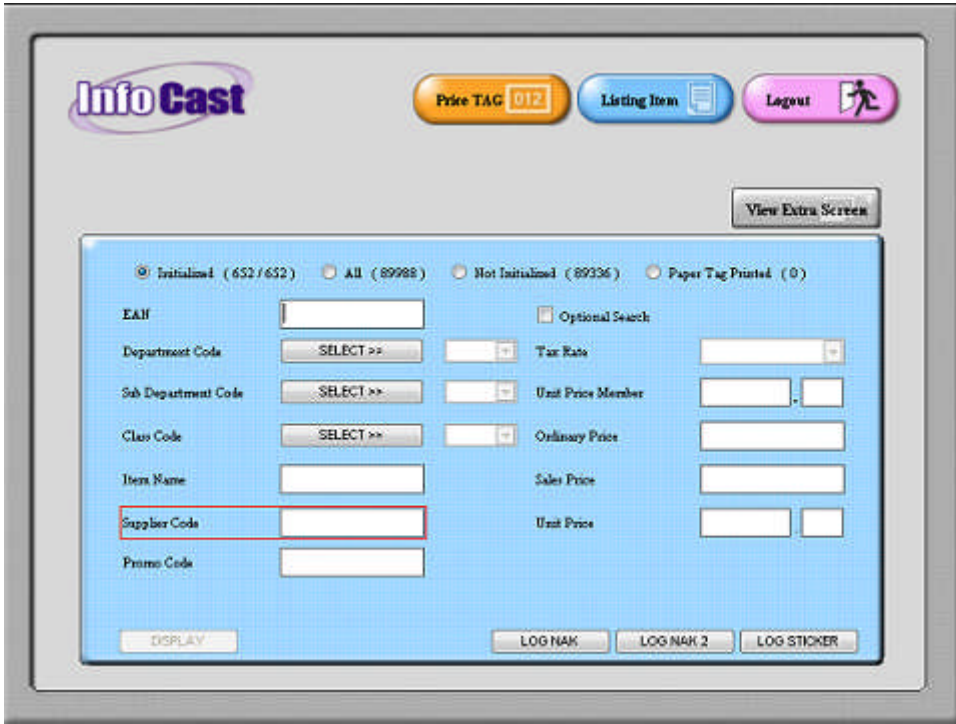
6. Item Name

To search item by a Item Name data

This screenshot shows the same 'InfoCast' software interface as above. In this view, the 'Item Name' field is highlighted with a red box, indicating it is the selected search criterion. The 'Class Code' dropdown menu is no longer open. All other elements, including the top navigation buttons and bottom action buttons, remain the same.

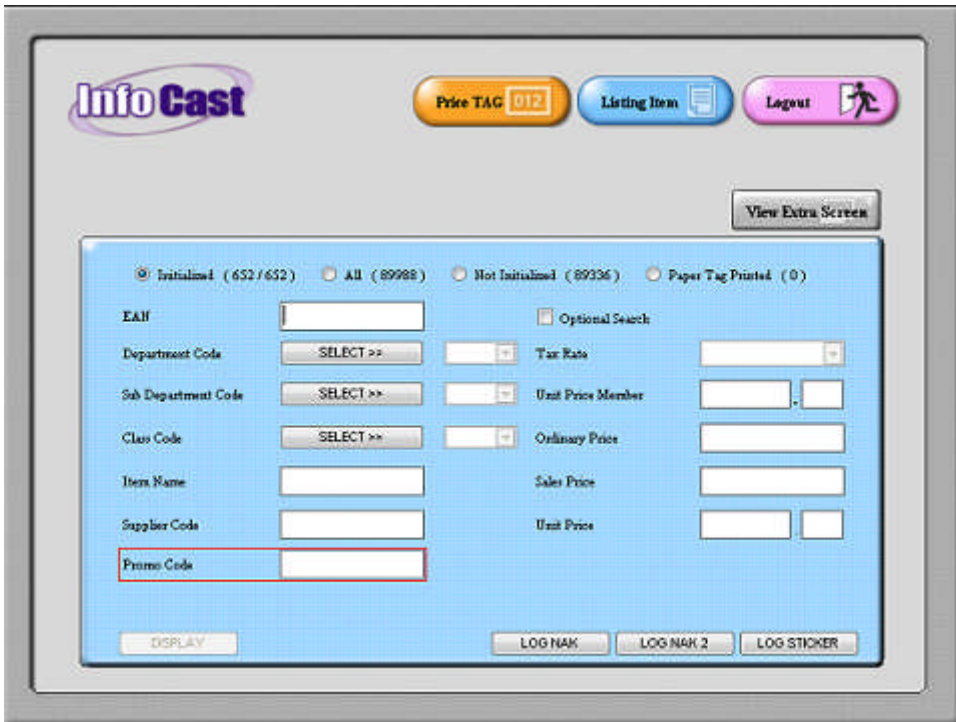
7. Supplier Code

To search item by a Supplier Code



8. Promo Code

To search item by a Promotion Code



9. Optional Search

To enable/disable use of Optional Search options

InfoCast

Price TAG 012 Listing Item Logout

View Extra Screen

Initialized (897 / 897)
 All (89988)
 Not Initialized (89091)
 Paper Tag Printed (0)

EAN Optional Search

Department Code SELECT >> Tax Rate

Sub Department Code SELECT >> Unit Price Member

Class Code SELECT >> Ordinary Price

Item Name Sales Price

Supplier Code Unit Price

Promo Code

10. Tax Rate

To search item by a Tax Rate value

InfoCast

Price TAG 012 Listing Item Logout

View Extra Screen

Initialized (897 / 897)
 All (89988)
 Not Initialized (89091)
 Paper Tag Printed (0)

EAN Optional Search

Department Code SELECT >> Tax Rate

Sub Department Code SELECT >> Unit Price Member

Class Code SELECT >> Ordinary Price

Item Name Sales Price

Supplier Code Unit Price

Promo Code

11. Unit Price Member

To search item by a Unit Price Member value

The screenshot shows the InfoCast software interface. At the top, there is a logo for 'InfoCast' and three buttons: 'Price TAG 012', 'Listing Item', and 'Logout'. Below these is a 'View Extra Screen' button. The main search area has four radio buttons: 'Initialised (652/652)', 'All (89988)', 'Not Initialised (89336)', and 'Paper Tag Printed (0)'. There is an 'Optional Search' checkbox. The search fields include: EAIN, Department Code (with a 'SELECT >>' button), Sub Department Code (with a 'SELECT >>' button), Class Code (with a 'SELECT >>' button), Item Name, Supplier Code, and Promo Code. On the right side, there are fields for Tax Rate, Unit Price Member (highlighted with a red box), Ordinary Price, Sales Price, and Unit Price. At the bottom, there are buttons for 'DISPLAY', 'LOG NAK', 'LOG NAK 2', and 'LOG STICKER'.

12. Ordinary Price

To search item by a Ordinary Price value

This screenshot is identical to the one above, showing the InfoCast software interface. In this instance, the 'Ordinary Price' field on the right side of the search area is highlighted with a red box, indicating the search criteria for this step.

13. Sales Price

To search item by a Sales Price value

The screenshot shows the 'InfoCast' software interface. At the top, there are navigation buttons: 'Price TAG 012', 'Listing Item', and 'Logout'. Below these is a 'View Extra Screen' button. The main search area contains several filters: radio buttons for 'Initialised (652/652)', 'All (89988)', 'Not Initialised (89336)', and 'Paper Tag Printed (0)'. There are input fields for 'EAN', 'Department Code', 'Sub Department Code', 'Class Code', 'Item Name', 'Supplier Code', and 'Primo Code'. On the right side, there are fields for 'Optional Search', 'Tax Rate', 'Unit Price Member', 'Ordinary Price', 'Sales Price', and 'Unit Price'. The 'Sales Price' field is highlighted with a red border. At the bottom, there are buttons for 'DISPLAY', 'LOG NAK', 'LOG NAK 2', and 'LOG STICKER'.

14. Unit Price

To search item by Unit Price value range

This screenshot is identical to the one above, showing the 'InfoCast' search interface. In this view, the 'Unit Price' field on the right side of the search area is highlighted with a red border, indicating the step to search by unit price value range.

15. Display

To search and display according to entered search setting in above settings (see Search Item Display screen)

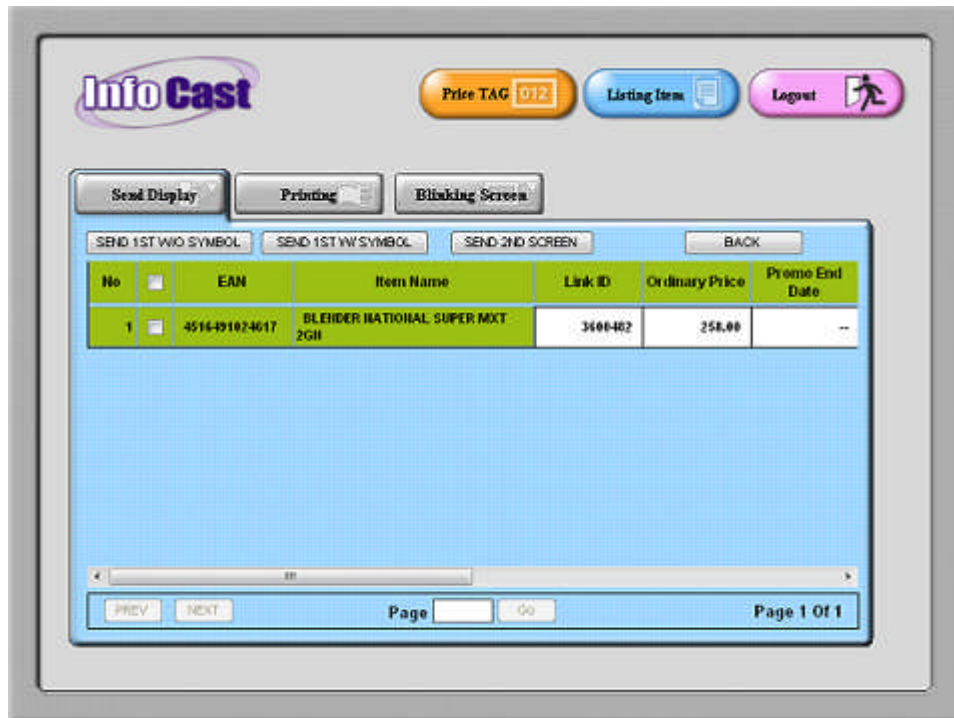
- Press **[DISPLAY]** to go to Search Item Display screen

- Note: Press **[LISTING ITEM]** to exit Search Item Display screen

i) SEND DISPLAY

- to send data to selected tag from the search list
- Press **[SEND DISPLAY]** button to enter Send Display screen

- To resend item data to tag, this function is useful when the tag is hang or display incomplete data
- Press **[BACK]** button to exit Send Display screen and return to price tag main screen



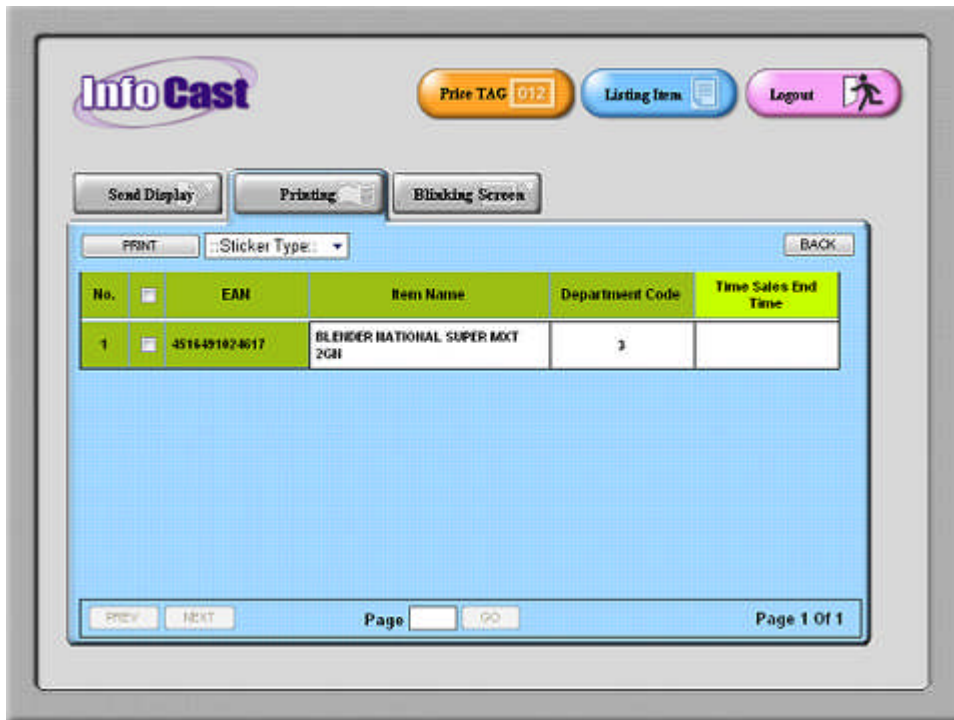
- a) **[SEND 1ST W/O SYMBOL]** button - to send the 1st screen numeric/digits data, without symbol e.g. decimal point, Sales message and etc to selected tag
- b) **[SEND 1ST W/ SYMBOL]** button - to send the 1st screen numeric/digits data, with symbol e.g. decimal point, Sales message and etc to selected tag
- c) **[SEND 2ND SCREEN]** button - to send the 2nd screen to selected tag

Note1: Check box select tag and item to be send display for updating tag display

Note2: Press **[BACK]** button to exit and return to Search Item Display screen

ii) Printing

- Press **[PRINTING]** button to enter Printing screen
- To print sticker or paper tag for the selected item
- Press **[BACK]** button to exit Printing screen and return to price tag main screen



a) **[PRINT]** button - to print sticker or paper tag for selected item

b) **[STICKER TYPE]** selection - to select available sticker type for printing

Note1: Sticker type is required to be programmed in Sticker/Paper Tag Format Design in advance

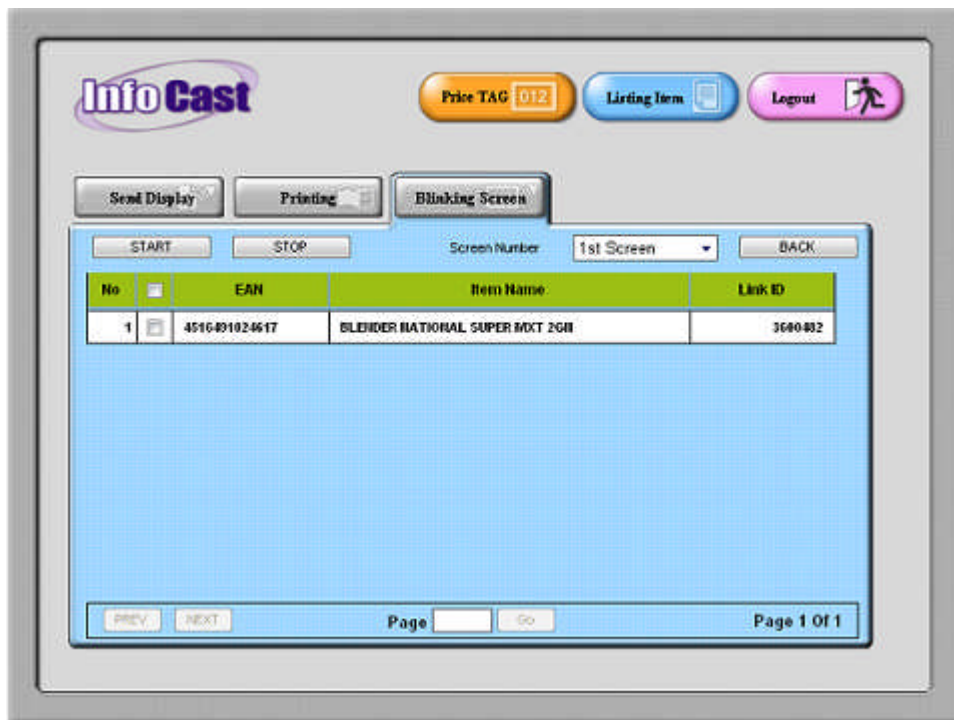
Note2: Check box select tag and item to be send display for updating tag display

Note3: Press button, to select data from available list

Note4: Press **[BACK]** button to exit and return to Search Item Display screen

iii) **Blinking Screen**

- Press **[BLINKING SCREEN]** button to enter Blinking Screen mode screen
- To set selected tag to blink tag displayed data
- Press **[BACK]** button to exit Blinking Screen mode screen and return to price tag main screen



a) **[START]** button - to start blinking tag display

b) **[STOP]** button - to stop blinking tag display

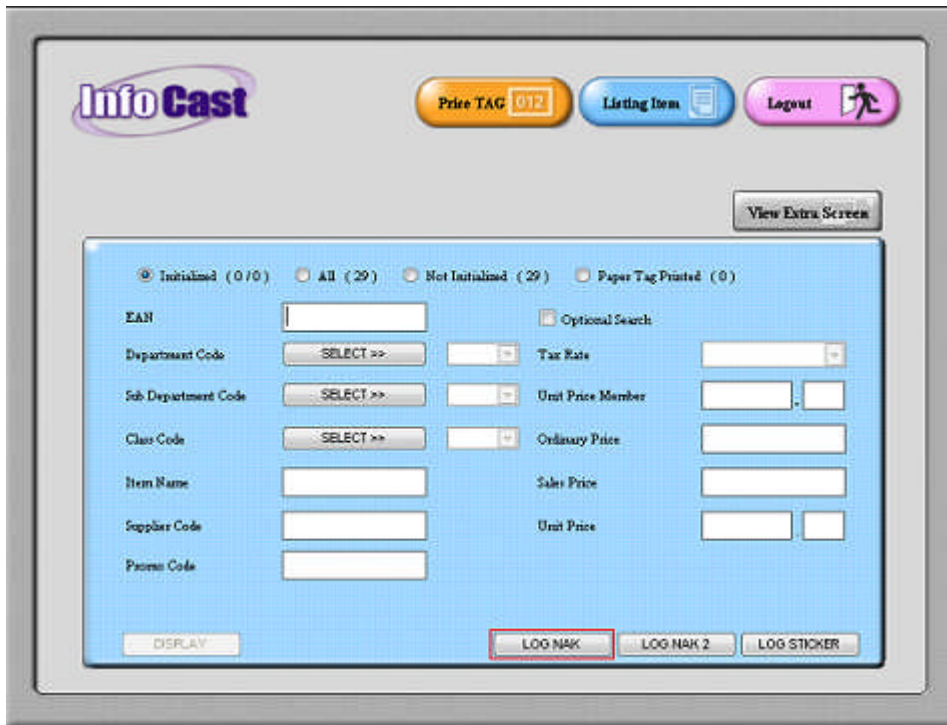
c) **[PAGE NUMBER]** selection - to select page of tag to be displayed after stop blinking operation.

Note1: Check box select tag and item to be send display for updating tag display

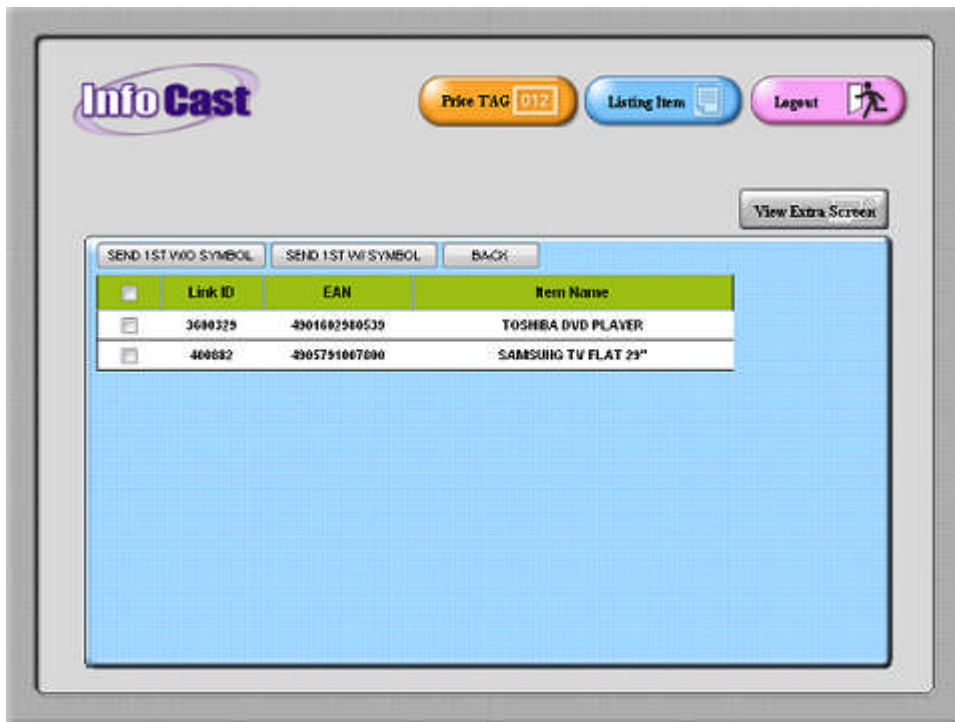
Note2: Press button, to select data from available list

Note3: Press **[BACK]** button to exit and return to Search Item Display screen

16. LOG NAK



- Press **[LOG NAK]** button to view list of tag with acknowledgment error for 1st screen of tag



- When the Info base did not receive acknowledgment from the tag during updating, it will record the tag info on the list

a) **[SEND 1ST W/O SYMBOL]** button - to send the 1st screen numeric/digits data, without symbol e.g. decimal point, Sales message and etc to selected tag

b) **[SEND 1ST W/ SYMBOL]** button - to send the 1st screen numeric/digits data, with symbol e.g. decimal point, Sales message and etc to selected tag

Note1: Check box select tag and item to be send display for updating tag display

Note2: Press [BACK] button to exit and return to Listing Item Screen

17. LOG NAK 2

The screenshot shows the InfoCast interface with a search form. The 'LOG NAK 2' button at the bottom is highlighted with a red box. The form includes fields for EAN, Department Code, Sub-Department Code, Class Code, Item Name, Supplier Code, and Price Code, along with filters for status and search options.

- Press [LOG NAK 2] button to view list of tag with acknowledgment error for 2nd screen of tag

The screenshot shows the InfoCast interface displaying a list of tags. The list has columns for Link ID, EAN, and Item Name. A single entry is visible: Link ID 3699329, EAN 4901602980539, and Item Name TOSHIBA DVD PLAYER. Buttons for 'SEND 2ND SCREEN' and 'BACK' are visible at the top of the list area.

Link ID	EAN	Item Name
3699329	4901602980539	TOSHIBA DVD PLAYER

- When the Info base did not receive acknowledgment from the tag during updating, it will record the tag info on the list
- Press [SEND] button to send the 2nd screen display to selected tag

Note1: Check box select tag and item to be send display for updating tag display

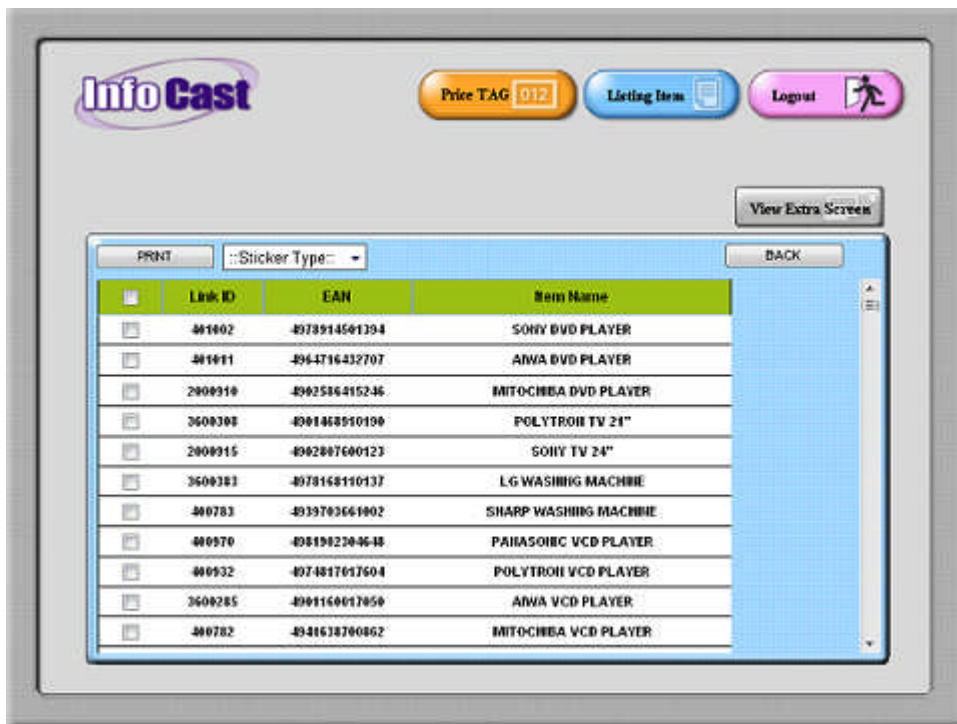
Note2: Press **[BACK]** button to exit and return to Listing Item Screen

18. Log Sticker

- To print sticker or paper tag for the selected item
- Item data send to sticker log by Info System when required to print a new sticker, this apply when sticker format data been updated
 - a) **[PRINT]** button - to print sticker or paper tag for selected item
 - b) **[STICKER TYPE]** selection - to select available sticker type for printing

The screenshot shows the 'InfoCast' interface for the 'Log Sticker' function. The interface includes a header with the 'InfoCast' logo and navigation buttons for 'Price TAG 012', 'Listing Item', and 'Logout'. Below the header is a 'View Extra Screen' button. The main area contains a search filter section with radio buttons for 'Initialized (0/0)', 'All (29)', 'Not Initialized (29)', and 'Paper Tag Printed (0)'. The search fields include EAN, Department Code, Sub Department Code, Class Code, Item Name, Supplier Code, and Pattern Code. There are also fields for Tax Rate, Unit Price Member, Ordinary Price, Sales Price, and Unit Price. At the bottom, there are buttons for 'DISPLAY', 'LOG NAK', 'LOG NAK 2', and 'LOG STICKER', with the 'LOG STICKER' button highlighted by a red box.

- Press **[LOG STICKER]** button to view list of sticker required for printing



Note1: Sticker type is required to be programmed in Sticker/Paper Tag Format Design in advance

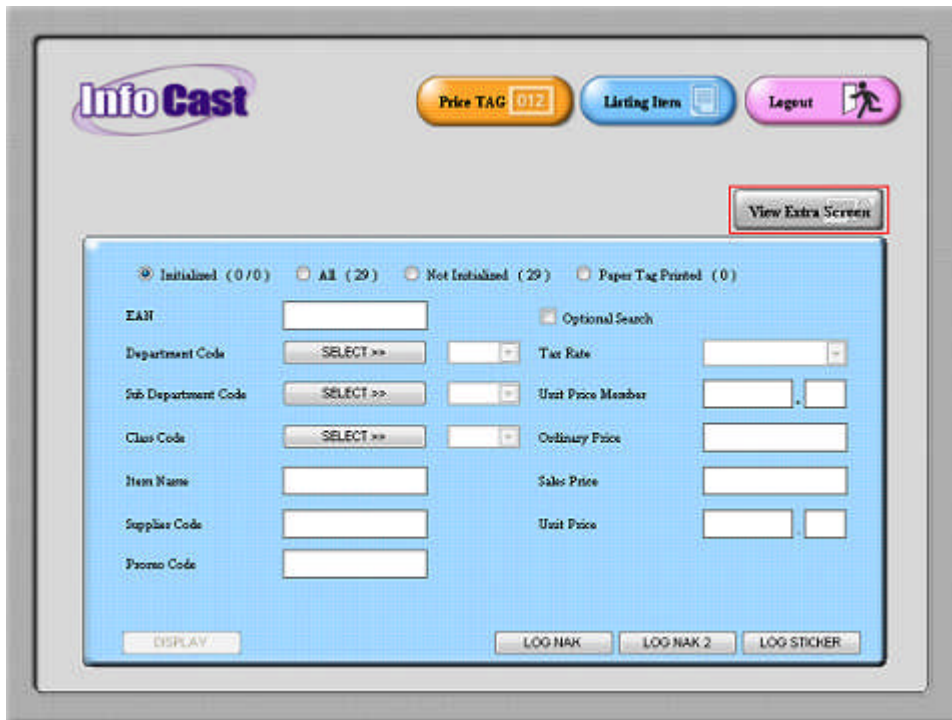
Note2: Check box select tag and item to be send display for updating tag display

Note3: Press button, to select data from available list

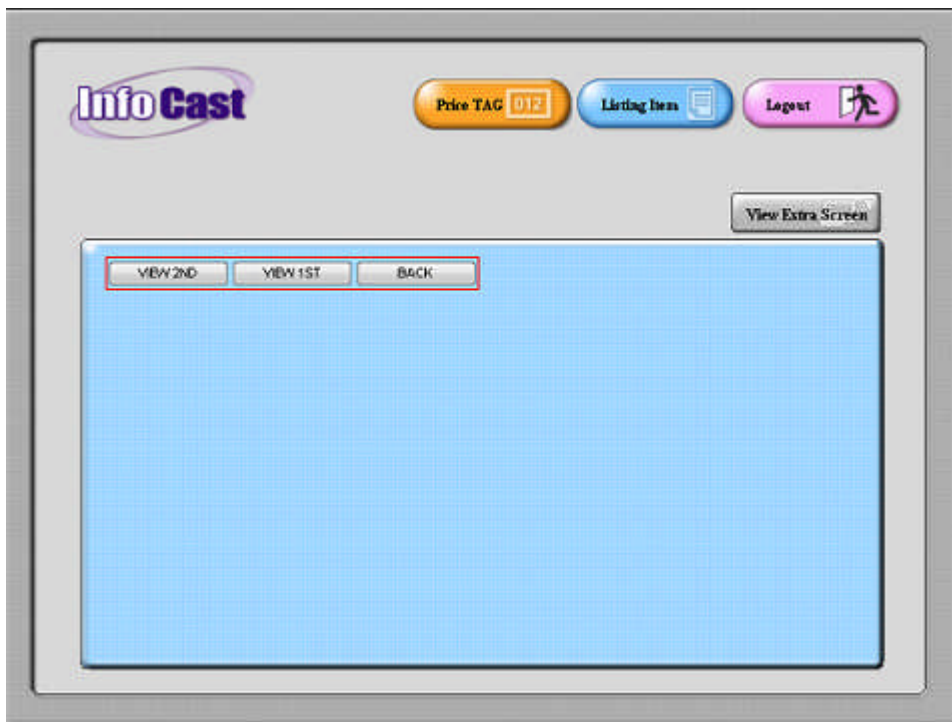
Note4: Press [BACK] button to exit and return to Listing Item screen

19. View Extra Screen

To set all tag displayed in selected screen mode



- Press **[VIEW EXTRA SCREEN]** button to set tag displaying screen



a) **[VIEW 2ND]** button - to set tag to be display in 2nd Screen

b) **[VIEW 1ST]** button - to set tag to be display in 1st Screen

Note: Press **[BACK]** button to exit and return to Listing Item screen

Note1: Press  button, to select data from available list

Note2: Click box to enter desired data

Note3: Press **[CLEAR]** button to clear data retrieved or entered

Note3: press  button, to exit from Maintenance screen, Price/Transaction Maintenance screen.

MANUAL KEY IN BARCODE DATA

[Home] [Up]

Barcode data (EAN) can be manually key-in using keyboard, but required to key in as bellow table. And depend on the number of digits entered, the system will consider the barcode used as the barcode type and search data within a valid number configuration.

No.	Keyboard Entered Digits	Valid Number	Barcode Type
1.	13 digits	13 digits	EAN-13
2.	12 digits	0 + 12 digits / 12 digits	UPC-A
3.	11 digits	00 + 11 digits / 11 digits	UPC-A
4.	10 digits	00 + 10 digits + CD / 10 digits	UPC-A
5.	8 digits	If the first digit is Zero, cut first and last digit = 6 digits	UPC-E
		If first digit is not Zero, use 8 digit = 8 digits	EAN-8
6.	7 digits	If the first digit is Zero, cut first digit = 6 digits	UPC-E
		If the first digit is not Zero, cut last digit = 6 digits	UPC-E
7.	6 digits	6 digits	UPC-E