



EXPEDITOR Operations  
Manual

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### **1. What is The EXPEDITOR?**

EXPEDITOR is a system designed to transfer data within a limited area such as a restaurant. This unique system increases the servers ability to service customers. This is done through increasing the efficiency of the server.

### **2. EXPEDITOR Components.**

1. Main Unit – Unit Body -1 ea, Antenna-2 ea, Bracket-4 ea, Screw (small) for Bracket-8 ea (3\*8mm)  
Screw (Big) for fix-4 ea (4\*20mm), Foot (rubber) for Housing-4 ea (20\*20\*3mm)
2. Chef Unit – Unit Body -1 ea, Antenna –1 ea, Bracket-4 ea, Screw (small) for Bracket-8 ea (3\*8mm)  
Screw (Big) for fix-4 ea (4\*20mm), Foot (rubber) for Housing-4 ea (20\*20\*3mm)
3. Table Unit- Unit Body -50 ea, Menu Boards -50 ea, AAA batteries-150 ea
4. Server Unit - Server Units-5 ea, AAA batteries -5 ea, Server band-5 ea, Holder-5 ea, Chain-1 ea,  
Server Unit Manual – 1 ea.
5. EXPEDITOR Operations Manual - 1 ae.

### **3. How to Install Expeditor.**

#### 1. Main Unit

- 1) Install brackets to Main Unit using the small screws. The brackets are installed to the sides of the Main Unit. After installing mounting brackets to Main Unit, the unit can be mounted to the wall.
- 2) Connect the 9V/1.5A power transformer to the Main Unit using the barrel connector end of the power supply. Connect the other end of the power transformer to a standard 110v wall outlet.

#### 2. Chef Unit

- 1) Install brackets to Main Unit using the small screws. The brackets are installed to the sides of the Main Unit. After installing mounting brackets to Main Unit, the unit can be mounted to the wall.
- 2) Connect the 9V/300-500mA power transformer to the Main Unit using the barrel connector end of the power supply. Connect the other end of the power transformer to a standard 110v wall outlet

#### 3. Table Unit

- 1) Install 3 x AAA batteries in accordance with instructions on the bottom of the unit body. Install Menu board to the top of the Table Unit body. Turn power switch to ON located on

bottom of unit body.

4. Server Unit

- 1) Install Server Unit batteries located on the back side of the unit. The Server Unit can be worn in the server band or can be worn in a holster. The server band is an elastic wrist watch type band that allows the server easy access to the Server Unit especially when the servers hands are full. The holster allows the Server Unit to be clipped to a piece of clothing.

**4. Specifications**

1. Main Unit

- 1) The Main Unit controls the flow of messaging traffic within the establishment. The Main Unit receives requests from the Chef/Management Unit and the Table Unit and transmits them to the appropriate Server Unit.

3. Table Unit

- 1) The Table Unit has menu options labeled 1-6. When one of these options are selected, the request is sent to the Main Unit along with the Table Unit address. The Main Unit will send the request to the appropriate Server Unit.

4. Chef/Management Unit

- 1) The Chef/Management sends a request to the Main Unit. The Main Unit sends the request along to the appropriate Server Unit. This will notify the Server that their food is ready for pick up.

5. Server Unit

- 1) The Server Unit receives requests sent to it by the Main Unit. The Main Unit transfers requests from both the Table Unit and the Chef/Management units.

**5. Specifications**

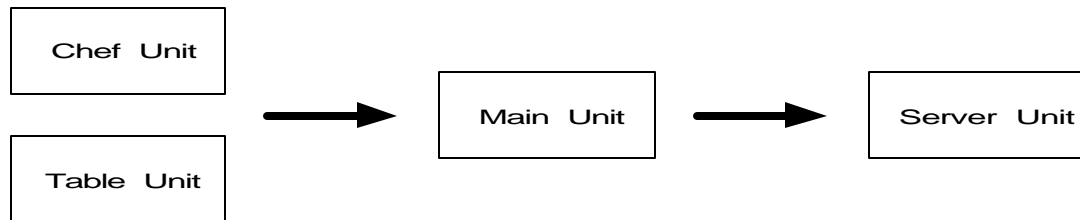
	<b>EXPEDITOR Units</b>				
<b>Specifications</b>	MAIN	CHEF	TABLE	SERVER	
Frequency	450 ~ 470 MHz				
Freq. Stability	5 ppm				
Data Rate	1200 bps				
Output Power	100 mW	10 mW	5 mW		Max.
Trans. Protocol	FSK 2 Level			POCSAG	
PLL Frequency	PLL Synthesizer				
Batt.			AAA 3	AAA 1	
Ext. Power	9V/1.5A SMPS	9V 1.5A			
Dimension	236*200*200	174*260*50	95*133*43		Mm
Transmit/Receive	Transmit/Receive	Transmit/Receive	Transmit/Receive	Receive only	

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## 5. How to use Expeditor

### 1. Main Unit

- 1) Plug the 9V/1.5A adaptor into any 110v wall outlet. Once the unit is plugged into the power supply, the red LED 9V Indicator will light.
- 2) Turn the power switch to ON. This switch is located on the bottom of the Main Unit body. This will cause the red LED 5V Indicator to be lit.
- 3) When data is sent from the Table Unit a GREEN data LED will blink.
- 4) Once a request is sent from a Table Unit or an order information is sent from a Chef/Management Unit, the Main Unit controls the flow of this information and sends it to the proper Server Unit. Below is a diagram of the flow of information through the Main Unit.



(Data transmission diagram)

### 2. Chef/Management Unit

- 1) Plug the 9V/1.5A adaptor into any 110v wall outlet. Once the unit is plugged into the power supply, the red LED 9V Indicator will light.
- 2) Turn the power switch to ON. This switch is located on the bottom of the Main Unit body. This will cause the red LED 5V Indicator to be lit.
- 3) When a specific order is ready for a specific server, that servers button should be pressed. This will send a notification to the specific Server Unit that an order is ready to be retrieved in kitchen.
- 4) There is an OPTIONAL Group Call on the Chef/Management Unit allowing the Kitchen Staff or Management to send a message to all Server Units simultaneously.

### 3. Table Unit

- 1) Three AAA batteries are provided with each unit. These should be installed in accordance with the instructions located in the battery well of the unit located on the bottom of the main body.
- 2) As shown below, the Menu Board lists the Server Call options. Individual establishments have the option of altering these option displays.

<Table Unit Button Function>

- No. 1 : Ready to Order
- No. 2 : Need more Drinks
- No. 3 : Need more Bread
- No. 4 : Need Silverware/ Napkin
- No. 5 : Need Assistance
- No. 6 : Check please

- 3) Once a data selection is chosen by the customer, the Green LED lights up the show that Data is being sent. The Table Unit sends the data and the Server Unit address information to the Main Unit. The Main Unit will send the information to the Server Unit assigned to this specific table.
- 4) If the Delay Feature is activated, this will be indicated by a RED LED being lit for the duration to the delay time. No other selections may be selected during this time.

4. Server Unit

- 1) The Server Unit receives requests sent to it by the Table Units assigned to it and the Chef/Management Units. These units send the data through the Main Unit.
- 2) More information is available in the Server Unit Operations Manual

**6. Troubleshooting**

1. Main Unit

- 1) No Power.
  - Insure that the Power Supply Unit is of proper type. (9V/1.5A).
  - Insure that the power supply is plugged into the unit a the wall.
  - insure that the Power Switch is in the ON position.

2. Chef Unit

- 1) No Power.
  - Insure that the Power Supply Unit is of proper type. (9V/300-500mA).
  - Insure that the power supply is plugged into the unit a the wall.
  - insure that the Power Switch is in the ON position.

3. Table Unit

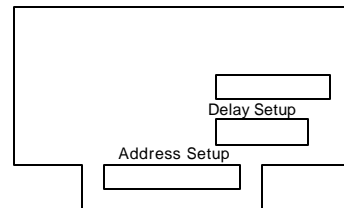
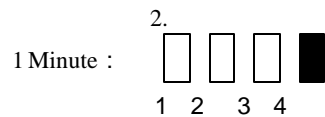
- 1. No Power to unit.
  - Insure batteries are installed according to the instructions on bottom of unit
  - Insure that the batteries are in working order.
  - Insure that power switch is in the ON position
- 2. No Transmission from unit.
  - Insure power switch on bottom of unit is in the ON position.
  - Insure that the batteries are installed properly and in working order.
  - Insure that Delay Function is in the OFF position

4. Server Unit

- 1) No Display on LED Screen.
  - Insure batteries are installed in accordance with instructions
  - Insure batteries are in working order.
- 2) No signal received by Server Unit.
  - Remove battery and wait 2 minutes. Replace battery and test again.

### 7. Table Unit Delay Time Setup

1. Table Unit Delay time can be setup to range from 1 to 15 minutes of delay time. The Dip switch diagram below shows how to setup this feature. An example of one minute Delay Time is listed below.



#### Table Unit Delay Time Set up

■ : Up    □ : Down

1 minute □ □ □ ■	9 minute ■ □ □ ■
2 minute □ □ ■ □	10 minute ■ □ ■ □
3 minute □ □ ■ ■	11 minute ■ □ ■ ■
4 minute □ ■ □ □	12 minute ■ ■ □ □
5 minute □ ■ □ ■	13 minute ■ ■ □ ■
6 minute □ ■ ■ □	14 minute ■ ■ ■ □
7 minute □ ■ ■ ■	15 minute ■ ■ ■ ■
8 minute ■ □ □ □	

## 8. Table Unit Address Setup

1. Table Unit Addresses can be setup to range from 1 to 50 tables on a single Main Unit. The Dip switch diagram below shows how to setup this feature. An example of Table #1 setup is listed below.

Table # 1 :



1 2 3 4 5 6 7 8

**Table Unit Address Setup**

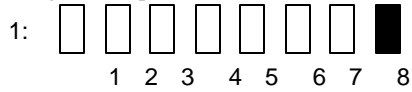
■ : Up    □ : Down

	5	6	7	8		5	6	7	8
1	□	□	□	□	■	26	□	□	□
2	□	□	□	□	□	27	□	□	□
3	□	□	□	□	■	28	□	□	□
4	□	□	□	□	□	29	□	□	□
5	□	□	□	□	■	30	□	□	□
6	□	□	□	□	■	31	□	□	□
7	□	□	□	□	■	32	□	□	□
8	□	□	□	□	□	33	□	□	□
9	□	□	□	□	■	34	□	□	□
10	□	□	□	□	□	35	□	□	□
11	□	□	□	□	■	36	□	□	□
12	□	□	□	□	■	37	□	□	□
13	□	□	□	□	■	38	□	□	□
14	□	□	□	□	■	39	□	□	□
15	□	□	□	□	■	40	□	□	□
16	□	□	□	□	□	41	□	□	□
17	□	□	□	□	■	42	□	□	□
18	□	□	□	□	□	43	□	□	□
19	□	□	□	□	■	44	□	□	□
20	□	□	□	□	□	45	□	□	□
21	□	□	□	□	■	46	□	□	□
22	□	□	□	□	■	47	□	□	□
23	□	□	□	□	■	48	□	□	□
24	□	□	□	□	□	49	□	□	□
25	□	□	□	□	■	50	□	□	□


**9. Chef/Management Unit Address Setup ( Option )**

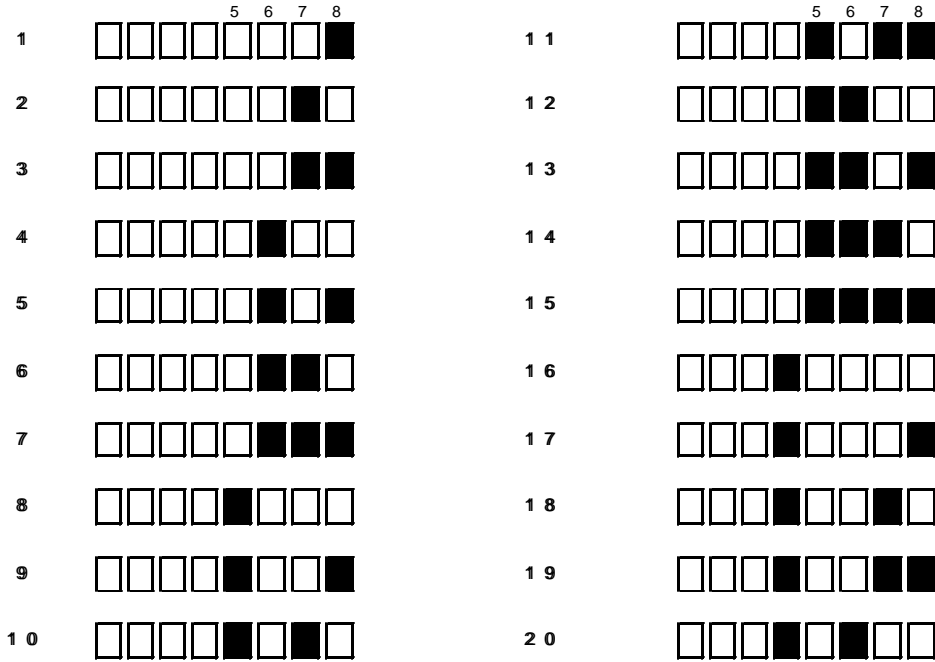
1. Chef/Management Unit Addresses can be setup to range from 2 to 20 Units if more than one is required

for operations. The Dip switch diagram below shows how to setup this feature. An example of adding units 2 through 20 setup is listed below. .



**Chef/Management Unit Address Setup**

 : Up     : Down



**10. Warnings**

1. Do Not open outer body of any of the Expeditor Units. These units contain sensitive electronics and disturbance can potentially cause failure of that unit. Electric shock can also result from opening the outer cover of the Main and Chef/Management Units. If you are experiencing problems and feel that repair is needed, please contact the manufacturer or an authorized repair facility.

Notice: To comply with FCC RF exposure requirement,s, install the main unit at the location which can maintain at least 20cm separation distance between all persons. Use only the antennas that are supplied with the unit. Any modifications or changes not expressly approved by the party responsible for compliance could void the user;s authority to operate the equipment.

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