



SMARTWIRE

HARD-WIRED NURSE CALL SYSTEM



INSTALLATION MANUAL

1. CONTENTS

1. CONTENTS	1
2. EQUIPMENT LIST	2
3. INTRODUCTION	2
4. CABLE SPECIFICATION	2
5. COMPONENTS	3
TYPE A (Call, Socket and Cancel unit)	3
<i>Example 1</i>	3
TYPE B (Call and Cancel unit)	4
<i>Example 2</i>	4
TYPE C (Call, Socket and Cancel unit)	5
<i>Example 3</i>	5
Patient Cord-Set	6
Shower Pull Switches	6
Corridor/Door Lamps (Multicoloured)	6
Sounders	7
Digital Display Units (DDU)	7
Wireless Remote Displays.....	7
6. WIRING DIAGRAM	8
7. TECHNICAL NOTES	9
Polling Call Points	9
System Low Battery Reporting (Client Code 9917).....	9
System Current Consumption Calculations.....	9
8. SYSTEM SETTINGS	10
Master Controller Interface	10
Master Controller Interface DIP-Switch Settings	10
Call Point DIP-Switch Settings	11
<i>Setting Call Types – DIP Switches 6, 7 & 8</i>	11
<i>Setting Call Types – DIP Switches 6, 7 & 8 (Continue)</i>	12
<i>Setting Call Points Numbers (Client Codes) – DIP-Switches 1 to 5</i>	13
9. SMARTWATCH XP MONITORING SOFTWARE SETUP	14
Setting up the Port.....	14
System Client Code (Client Code 9917).....	15
Setting up SmartLink Clients	16
10. SMARTLINK-4 (DOS) MONITORING SOFTWARE	17
Maintenance Access Level.....	17
Setting up Port Configuration	17
Setting up Ademco Alarm Types	17
Adding a Client for a Call Point(s)	18

2. EQUIPMENT LIST

A SmartWire Nurse Call System consists of the following equipment:

1. Master Controller Interface Unit
2. Installation Manual
3. 2 metre **null-modem** cable (9 Pin or 25 Pin Female)
4. 12V DC 1.5A Regulated Plug Pack (sold separately)
5. Hardwired Call Points (sold separately)

3. INTRODUCTION

The SmartWire Nurse Call System operates in the following way and complies with Australian Standard AS3811 – 1998 for Hard-Wired Patient Alarm Systems.

SmartWire Nurse Call System is a Bus-connected system, with 4 wires connecting most of the components. The bus communicates to the Smartlink Monitoring Software via a Master Controller Unit. Some items (e.g. overdoor lamps) can be directly wired to intelligent Call Points (Type A or Type C) serving for independent operation in the event of a bus failure.

A single bus with one Master Controller Unit can carry information relating to a **maximum of 240 individually identifiable Call Point** numbers. A maximum of 4 SmartWire Master Controller Units may be connected to SmartLink's Monitoring Software enabling 960 individual call points to be monitored. Each of these individual Call Points (Client Codes) can be assigned to signal 5 different types of call:

1. **Patient Call**
2. **Wet Area (Patient Call)**
3. **Emergency**
4. **Staff Assist**
5. **Nurse Presence**



4. CABLE SPECIFICATION

Recommended cable type is 4-core multi-strand cable (14 x 0.20mm)

- For Audio (two way voice) installations, add **shielded** 2 pair twisted cable (14 x 0.20mm)
- All wiring must be in accordance with **AS3000** for electrical installations (wiring)

5. COMPONENTS

TYPE A (Call, Socket and Cancel unit)

Type A units connect directly to the Main Bus and provide up to a maximum of three functions on one plate (including the cord-set socket which is always a standard Patient Call), but have the intelligence to generate any type of call (fully programmable). They can be used as a 'hub' unit where several types of calls are desired from the one SmartWire Call Point number (i.e. Client Code) location.

They are backlit and capable of operating a multicoloured door lamp.



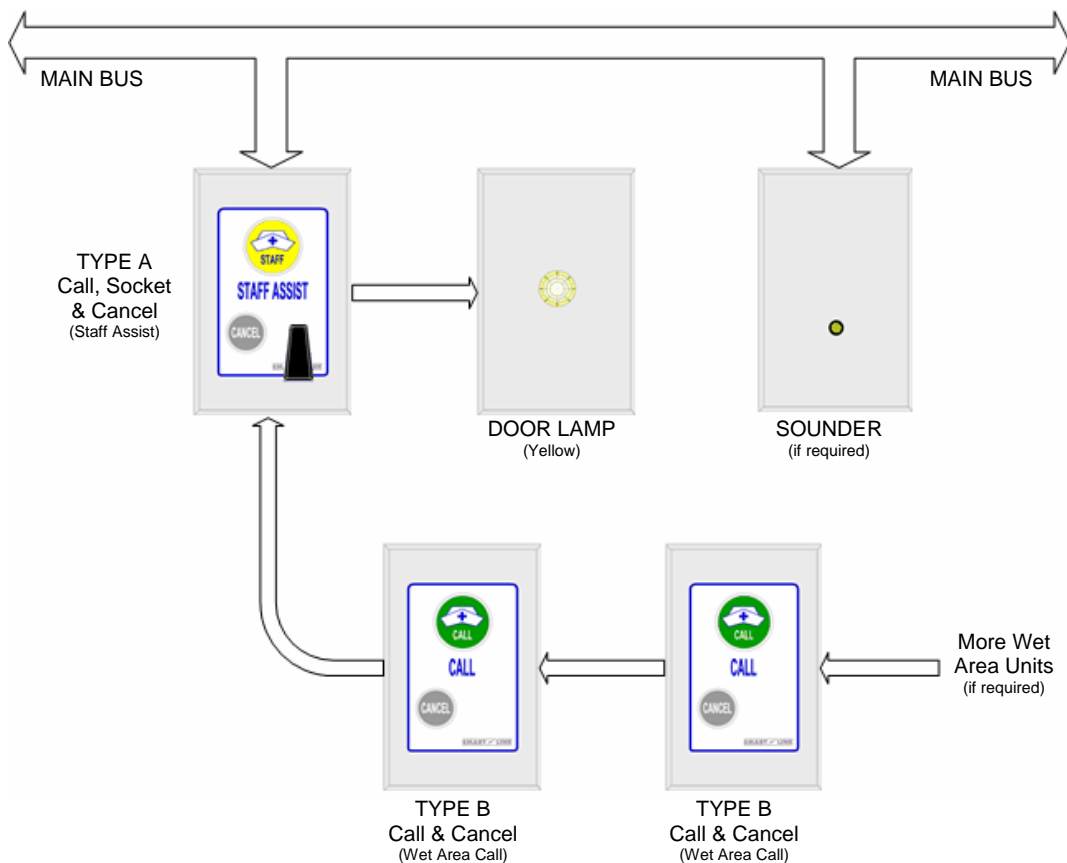
Left: Staff Assist call with Patient Cord-Set



Right: Patient Call with socket plug

Example 1

In a rest home room with en-suite, the Type A unit would be located at the bed, and Type B units would be used in the WC and shower.



TYPE B (Call and Cancel unit)

The type B units have no intelligence, and are simply plates carrying push buttons and lights. They can only be connected in series to a Type A or Type C Call Point and are backlit.

Several Type B plates can be connected to a type A unit, but they **must all be of the same type of Call**.

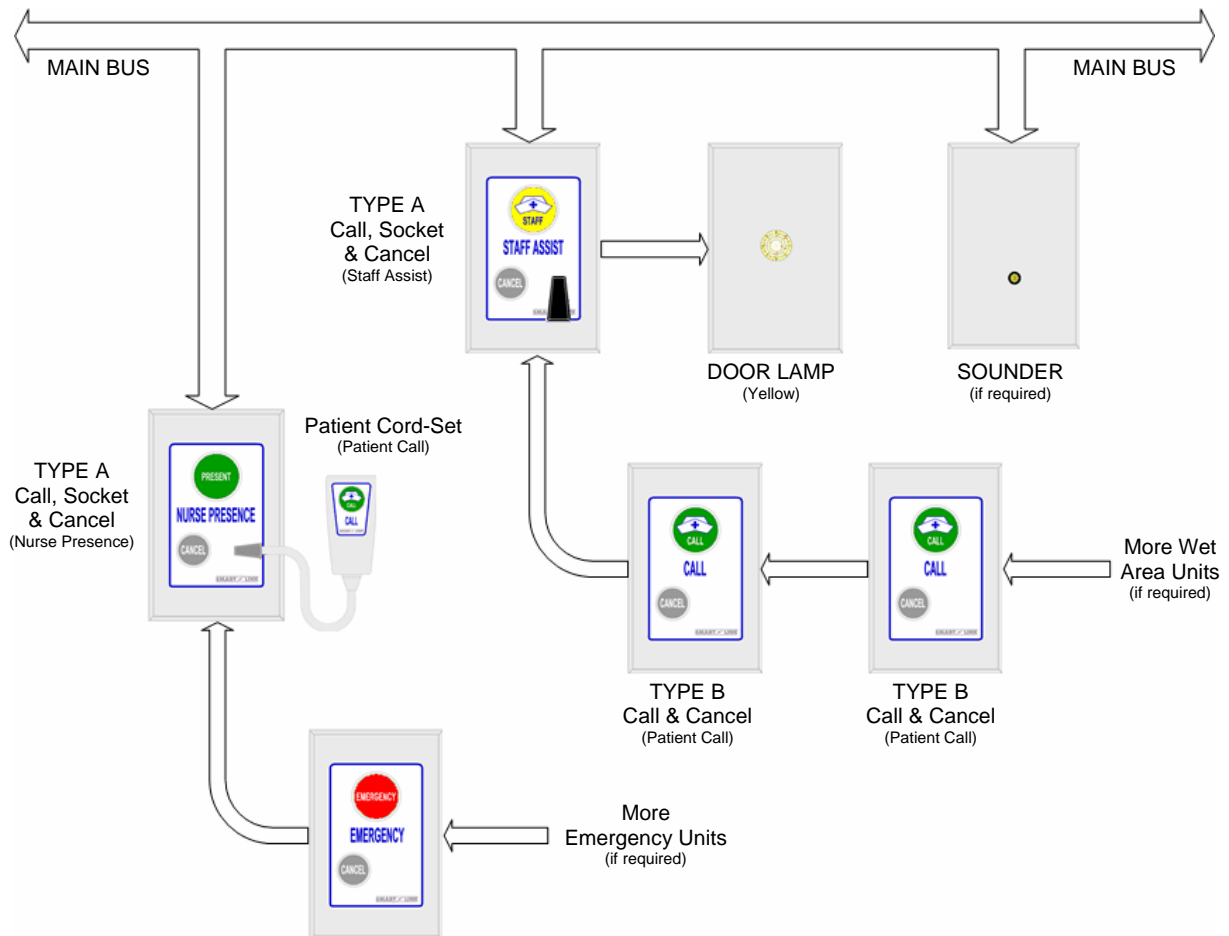


Right: Nurse Presence Call

Type B units must all have the same function and Call Point number (Client Code) associated with them. For example, it is NOT possible to have the Wet Area Call Points and a Nurse Presence call point connected to the same Type A unit. If Nurse Presence was required, another Type A unit would be needed in the room, and this in turn could support further Type B units, to make Emergency Calls for example (see Example 2).

Example 2

The room illustrated in Example 2 is capable of making all five types of calls using 2 different caller IDs (one per Type A branch from the Main Bus).



TYPE C (Call, Socket and Cancel unit)

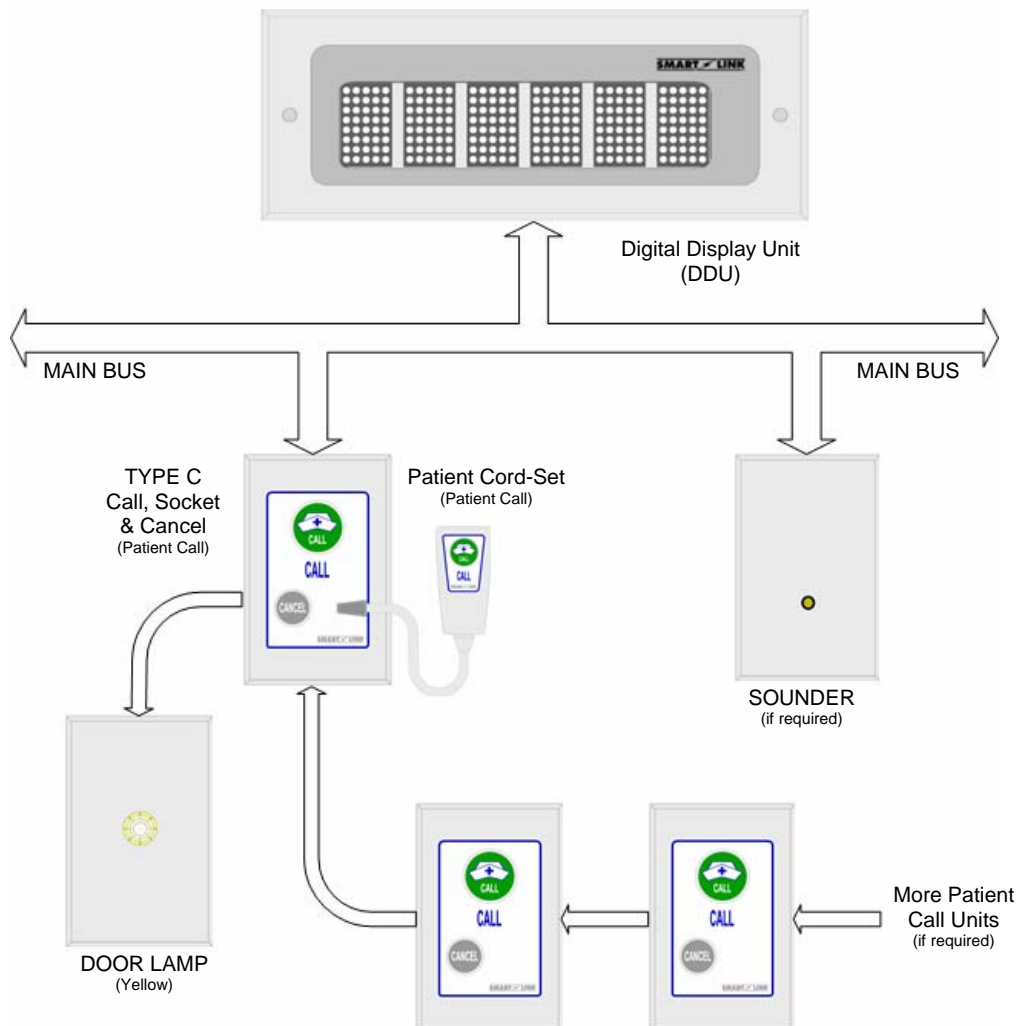
Type C units connect directly to the Main Bus and provide up to a maximum of two functions on one plate (including the Cord-Set socket which is always a standard Patient Call), but have the intelligence to generate any type of call (fully programmable).

The Type C Call Point can operate a corridor lamp, and may be extended to a **Type B (Call and Cancel unit of the same Call Type)**. They are backlit and will accept a patient Cord-Set which will always be a Patient Call (see Example 3).



Right: Patient Call pictured with socket plug in substitute of Patient Call-set

Example 3



Patient Cord-Set

A Patient Cord-Set can be plugged into any Type A or Type C (Call and Cancel units), and will generate a Patient Call if unplugged.

If no Patient Call set is required then a socket plug should be used as a replacement

Not having either a cord-set or plug inserted into the socket will prevent alarm conditions being removed using the Cancel button on the associated Call and cancel unit.



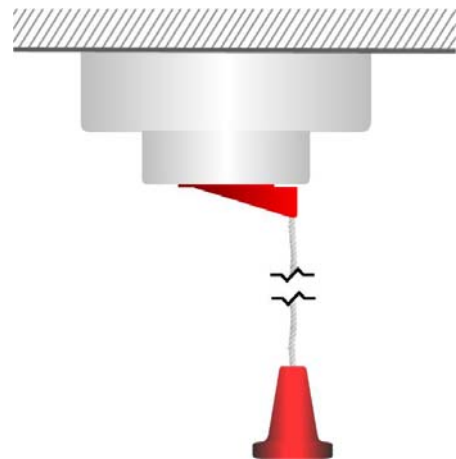
Right: Patient Cord-Set (cord length not to scale)
Left: Socket plug (angle view)



Shower Pull Switches

A Shower Pull Switch may be ceiling or wall mounted, and contains a reassurance light, but no Cancel switch. When used in a shower or WC room, the Cancel button on the Type B (Call and Cancel unit) beside the WC can be used to Cancel the shower pull. If used in a stand-alone shower or bathroom, the pull switch should be used in conjunction with a Type A (Call and Cancel unit) installed in the same room. Shower pull switches are fitted with breakable links in the cords.

Right: Pull Cord hanging from ceiling



Corridor/Door Lamps (Multicoloured)

Where required, lamps can be installed and wired directly back to the Type A or C Call and Cancel points they serve. A single lamp is capable of displaying the appropriate **Green**, **Yellow** and **Red** light conditions depending on the type of call and the wired inputs.

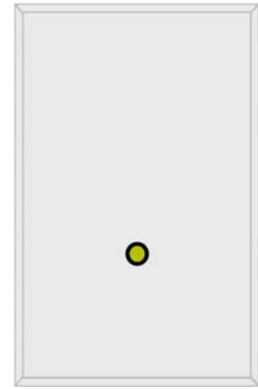
Although 2 cores are sufficient for many instances, they should be wired with 4 core cable to allow for the maximum displays allowed by the Standard, should the installation be upgraded after commissioning.

Right: Red (Emergency Call) displayed on a multicoloured lamp



Sounders

Sounders are connected directly to the bus, and have a limited amount of intelligence. Their operation complies with the Standard's requirement that sounders and corridor lights should continue to operate if the main communication bus fails.



Right: Sounder with piezo-alarm output facing

Digital Display Units (DDU)

DDUs are available in 6 or 8 alphanumeric characters, and connect directly to the SmartWire Main Bus. Messages associated with a call point number (Client Code) are displayed on the DDU when that particular call is initiated. Messages are prioritised in the order: Emergency, Staff Assist, Patient Call (Wet Area), Patient Call, followed by Nurse Presence.

DDUs can be either single or double sided for wall or ceiling mounted requirements respectively.



Above: Digital Display Unit (DDU)

Wireless Remote Displays

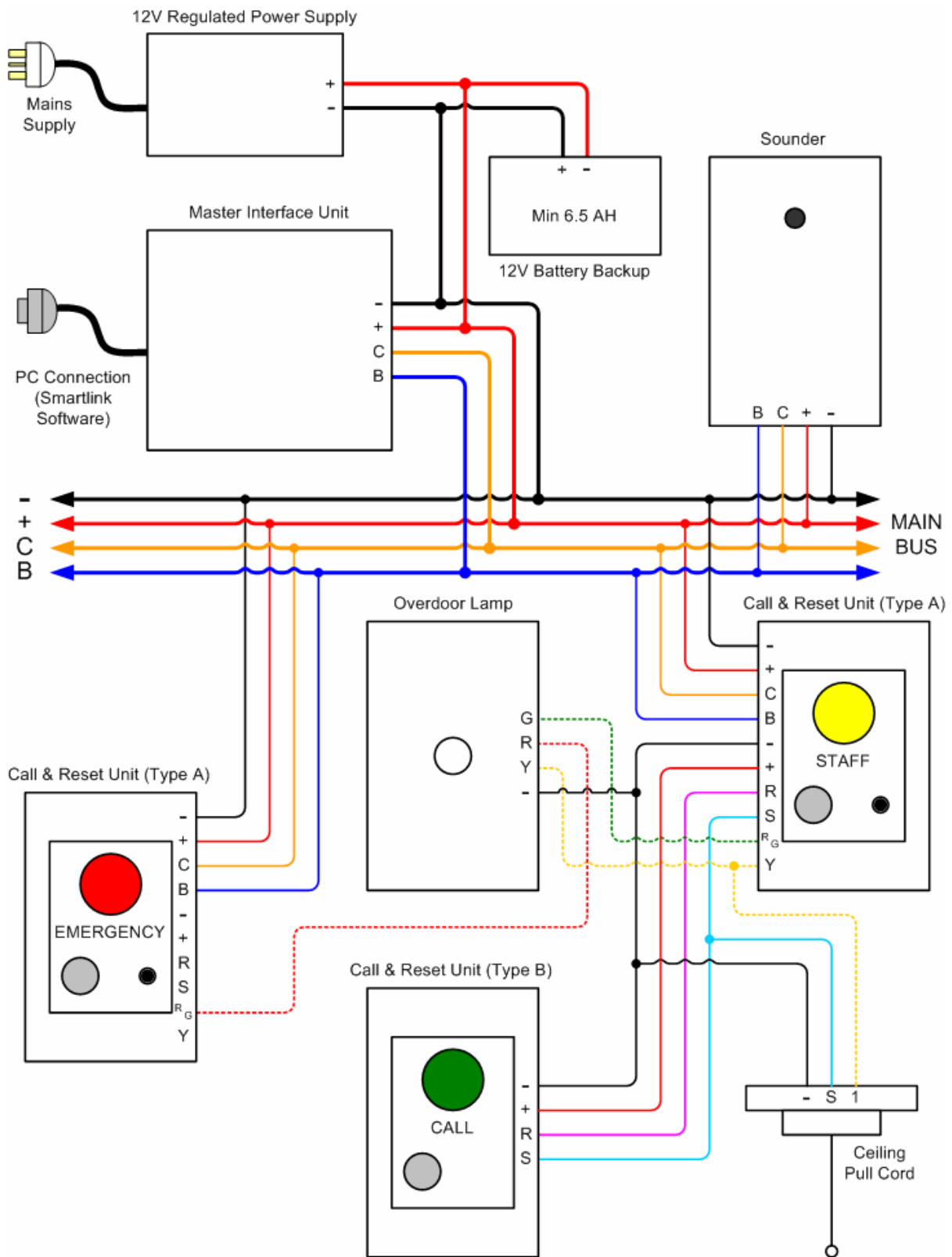
The Wireless Remote Displays is used to display SmartLink Alarm Calls on a BetaBrite or Alpha 215C Adaptive LED display sent via POCSAG pager messaging. Alarms can be paged to a specific Cap Code recognised by the Remote Display Wireless Decoder which will then display the call with appropriate colours and priority for nurse call applications.

SmartLink Alarm Calls are generated using SmartLink's Monitoring Software. For more informations, refer to the Remote Display Wireless Decoder Installation Manual or contact SmartLink International Pty Ltd.



Above: BetaBrite Display with Remote Display Wireless Decoder unit

6. WIRING DIAGRAM



Recommended wiring is 4-core multi-strand (14 x 0.20) flexible cable.

7. TECHNICAL NOTES

Polling Call Points

When the Master Unit is first powered up, it will poll all the Call Points attached to the Main Bus and keep a record of this in memory. After it has done this, it will continuously poll all devices at approximately every 15 seconds to make sure no Call Points have been disconnected. If the Master finds that a Call Point is disconnected or damaged, it will report a “**POWER Disconnect**” alarm with the associated Client Code of the Call Point to the Monitoring Software. When the Call Point is connected back onto the Main Bus, the Master unit will recognise it and cancel the “POWER Disconnect” alarm.

System Low Battery Reporting (Client Code 9917)

The Master Unit continuously monitors its supply voltage. When it detects that the supply voltage has dropped below 9V, it will report a “**BATTERY Low**” alarm with the Client Code **9917**. Once the supply voltage has returned to normal operating point (12V) the “BATTERY Low” alarm is Cancelled.

System Current Consumption Calculations

The **quiescent** current draw is as follows:

Type of Call Point	Quiescent current (mA)
Type A	5
Type A plus B	6
Type C	4

The calculation of the operational current draw is more complex, depending on steady/flashing, overdoor lamp, sounder, number of calls from multi-call plates and so on. However we can assume for practical purposes that the call points have one overdoor lamp and that we take different figures for steady and flashing calls.

Type of Call Point	Operational current (mA)
Type A one call steady	37mA
Type A one call flashing	35mA
Type A + one Type B, steady	39mA
Type A + one Type B, flashing	36mA
Type C steady	36mA
Type C flashing	34mA

The selection of power supply, battery and cable should be made by allowing for 20% of potential calls to be active at any given time.

For statistical purposes, we can use the following allowances per plate:

- 17mA per **Type A** unit
- 7mA per **Type B** unit
- 10mA per **Type C** unit

For **example**, a system with 10 type A units, and 50 type A units each with a type B unit, and an overdoor lamp unit for each room should have a battery design capability of:

- $(10 \times 17) + 50(17 + 7) \text{ mA} = 1.37 \text{ A}$

8. SYSTEM SETTINGS

Master Controller Interface

Master Interface Units act as an interface between the SmartLink Monitoring Software and the SmartWire Hard-wired Nurse Call System. Each Master Unit can handle up to **240 individual Call Point** numbers which are allocated to Type A and Type C units only (Type B units share call points numbers with type A and Type C units and should NOT be included in this count).

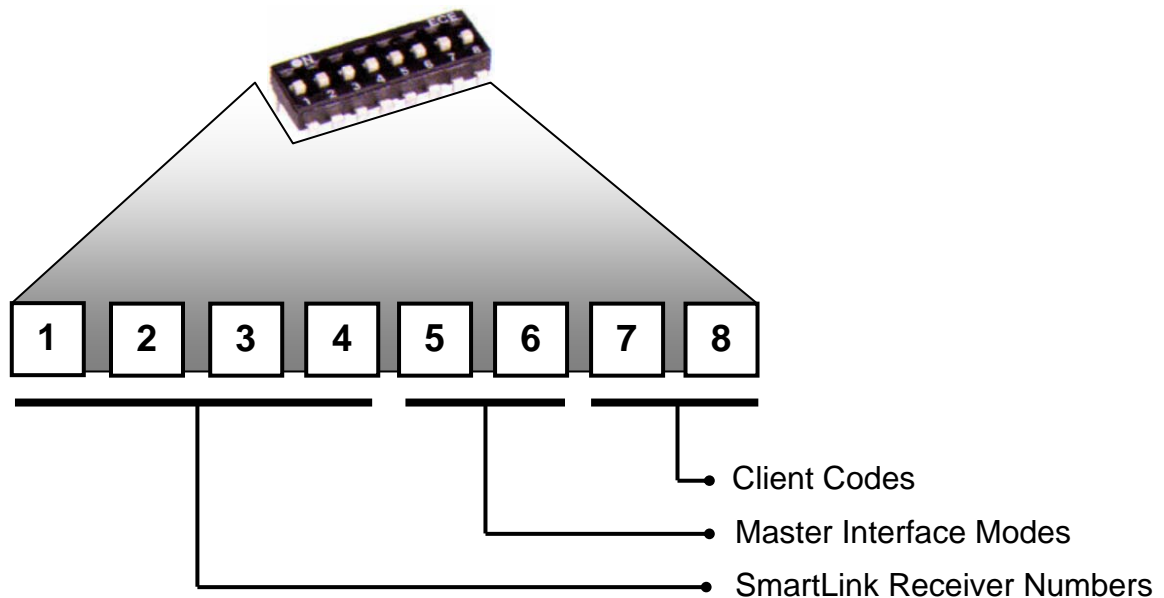
A **maximum of 4 Master Interface Units** can be used per SmartLink Monitoring Software installation providing a total of 960 individual Call Point numbers (Client Codes).

Master Controller Interface DIP-Switch Settings

The eight by 2-way DIP-Switch on the Master Unit shall be used to define the following:

- SmartLink Receiver (Address) Number – defaulted to 1
- Master Interface Modes of operation – defaulted to Ademco + Checksum
- Client Codes (when added with Call Point numbers) – defaulted to 7000

Default setting: Switch 1 and 5 in the ON position.



	Switch			
	1	2	3	4
0	0	0	0	0
1	1	0	0	0
2	0	1	0	0
3	1	1	0	0
4	0	0	1	0
5	1	0	1	0
6	0	1	1	0
7	1	1	1	0
8	0	0	0	1
9	1	0	0	1
10	0	1	0	1
11	1	1	0	1
12	0	0	1	1
13	1	0	1	1
14	0	1	1	1
15	1	1	1	1

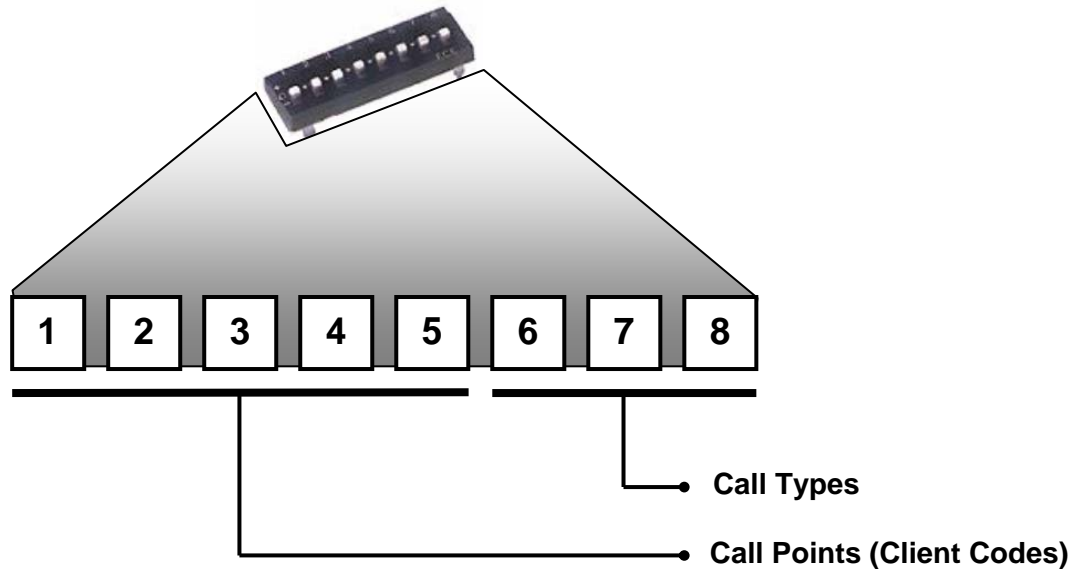
	Switch	
	5	6
Ademco	0	0
Ademco + Checksum	1	0
Mode 2	0	1
Reserved	1	1
INTERFACE MODES		

	Switch	
	7	8
7000 + Call Point	0	0
7500 + Call Point	1	0
8000 + Call Point	0	1
8500 + Call Point	1	1
CLIENT CODES		

Call Point DIP-Switch Settings

The eight by 3-way DIP-Switch on each Type A or Type C Call Point is used to define the following:

- **Call Points Numbers** (used with the Master Unit settings to determine the Client Code)
- **Call Types** (determine the Call Types of that particular Call Points)



Setting Call Types – DIP Switches 6, 7 & 8

DIP-Switches 6, 7 & 8 determine the Call Type of that particular Type A or Type C unit as well as the Type B unit connected to it.

As mentioned previously the available Call Types are: Patient Call, Wet Call Area, Staff Assist, Nurse Present and Emergency Call.

Each Type A or Type C call unit has three available inputs that can be used to activate Calls and Alarms:

- **Main** (local button on Type A and Type C call units)
- **Remote** (one or more Type B units connected directly to a Type A or C call unit)
- **Socket** (used for Patient Cord-Set and always activates a normal Patient Call)

Setting Call Types – DIP Switches 6, 7 & 8 (Continue)

The available Call Type combinations are defined in the table below:

DIP-Switch Settings			Call/Alarm Source and associated Call Types			Corridor/Door Lamp		
6	7	8	Main (Type A or C*)	Remote (Type B)	Socket (Cord-Set)	Green	Red	Yellow
0	0	0	Nurse Present	Nurse Present	Patient Call	R/G		
-	0	0	Nurse Present	Patient Call	Patient Call	R/G		Y
+	0	0	Nurse Present	Wet Area	Patient Call	R/G		Y
0	-	0	Nurse Present	Staff Assist	Patient Call	R/G		Y
-	-	0	Nurse Present	Emergency	n/a	Y	R/G	
+	-	0	Patient Call	Nurse Present	Patient Call	R/G		Y
0	+	0	Patient Call	Patient Call	Patient Call			Y
-	+	0	Patient Call	Wet Area	Patient Call			Y
+	+	0	Patient Call	Staff Assist	Patient Call			Y
0	0	-	Patient Call	Emergency	Patient Call		R/G	Y
-	0	-	Wet Area	Nurse Present	Patient Call	R/G		Y
+	0	-	Wet Area	Patient Call	Patient Call			Y
0	-	-	Wet Area	Wet Area	Patient Call			Y
-	-	-	Wet Area	Staff Assist	Patient Call			Y
+	-	-	Wet Area	Emergency	Patient Call		R/G	Y
0	+	-	Staff Assist	Nurse Present	Patient Call	R/G		Y
-	+	-	Staff Assist	Patient Call	Patient Call			Y
+	+	-	Staff Assist	Wet Area	Patient Call			Y
0	0	+	Staff Assist	Staff Assist	Patient Call			Y
-	0	+	Staff Assist	Emergency	Patient Call		R/G	Y
+	0	+	Emergency	Nurse Present	n/a	Y	R/G	
0	-	+	Emergency	Patient Call	n/a		R/G	Y
-	-	+	Emergency	Wet Area	n/a		R/G	Y
+	-	+	Emergency	Staff Assist	n/a		R/G	Y
0	+	+	Emergency	Emergency	n/a		R/G	

* The Call Type for a Type B (or other remote input device) wired to a Type C Call Point will be the same as the Type C Call Type.

Notes: Calls are displayed on overdoor lamps in order of Priority (Emergency, Staff Assist, Wet Area, Patient Call followed by Nurse Present).

Socket is not available with Emergency Call Points in regulation with Hard-Wired Nurse Call Speciation AS3811.

R/G and Y represent the two output lines (designated for the overdoor lamp) from the Type A Call Point. Green, Red and Yellow are the respective inputs to the overdoor lamp.

Setting Call Points Numbers (Client Codes) – DIP-Switches 1 to 5

By setting the 3-way DIP-Switches 1 to 5, each Call unit can be allocated a Call Point Number that is used to determine the SmartLink Client Code. The appropriate DIP-Switch settings are defined in the table below:

Call Point	DIP-Switch Settings				
	1	2	3	4	5
001	0	0	0	0	0
002	-	0	0	0	0
003	+	0	0	0	0
004	0	-	0	0	0
005	-	-	0	0	0
006	+	-	0	0	0
007	0	+	0	0	0
008	-	+	0	0	0
009	+	+	0	0	0
010	0	0	-	0	0
011	-	0	-	0	0
012	+	0	-	0	0
013	0	-	-	0	0
014	-	-	-	0	0
015	+	-	-	0	0
016	0	+	-	0	0
017	-	+	-	0	0
018	+	+	-	0	0
019	0	0	+	0	0
020	-	0	+	0	0
021	+	0	+	0	0
022	0	-	+	0	0
023	-	-	+	0	0
024	+	-	+	0	0
025	0	+	+	0	0
026	-	+	+	0	0
027	+	+	+	0	0
028	0	0	0	-	0
029	-	0	0	-	0
030	+	0	0	-	0
031	0	-	0	-	0
032	-	-	0	-	0
033	+	-	0	-	0
034	0	+	0	-	0
035	-	+	0	-	0
036	+	+	0	-	0
037	0	0	-	-	0
038	-	0	-	-	0
039	+	0	-	-	0
040	0	-	-	-	0
041	-	-	-	-	0
042	+	-	-	-	0
043	0	+	-	-	0
044	-	+	-	-	0
045	+	+	-	-	0
046	0	0	+	-	0
047	-	0	+	-	0
048	+	0	+	-	0
049	0	-	+	-	0
050	-	-	+	-	0
051	+	-	+	-	0
052	0	+	+	-	0
053	-	+	+	-	0
054	+	+	+	-	0
055	0	0	0	+	0
056	-	0	0	+	0
057	+	0	0	+	0
058	0	-	0	+	0
059	-	-	0	+	0
060	+	-	0	+	0
061	0	+	0	+	0
062	-	+	0	+	0
063	+	+	0	+	0
064	0	0	-	+	0
065	-	0	-	+	0
066	+	0	-	+	0
067	0	-	-	+	0
068	-	-	-	+	0
069	+	-	-	+	0
070	0	+	-	+	0
071	-	+	-	+	0
072	+	+	-	+	0
073	0	0	+	+	0
074	-	0	+	+	0
075	+	0	+	+	0
076	0	-	+	+	0
077	-	-	+	+	0
078	+	-	+	+	0
079	0	+	+	+	0
080	-	+	+	+	0

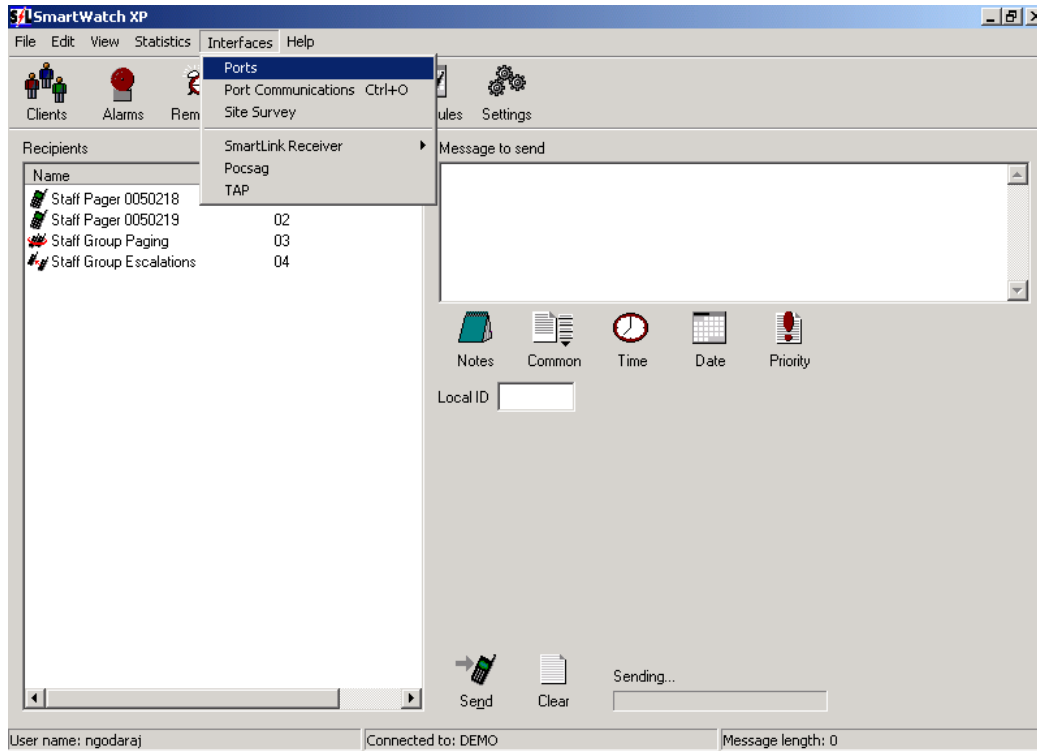
Call Point	DIP-Switch Settings				
	1	2	3	4	5
081	+	+	+	+	0
082	0	0	0	0	-
083	-	0	0	0	-
084	+	0	0	0	-
085	0	-	0	0	-
086	-	-	0	0	-
087	+	-	0	0	-
088	0	+	0	0	-
089	-	+	0	0	-
090	+	+	0	0	-
091	0	0	-	0	-
092	-	0	-	0	-
093	+	0	-	0	-
094	0	-	-	0	-
095	-	-	-	0	-
096	+	-	-	0	-
097	0	+	-	0	-
098	-	+	-	0	-
099	+	+	-	0	-
100	0	0	+	0	-
101	-	0	+	0	-
102	+	0	+	0	-
103	0	-	+	0	-
104	-	-	+	0	-
105	+	-	+	0	-
106	0	+	+	0	-
107	-	+	+	0	-
108	+	+	+	0	-
109	0	0	0	-	-
110	-	0	0	-	-
111	+	0	0	-	-
112	0	-	0	-	-
113	-	-	0	-	-
114	+	-	0	-	-
115	0	+	0	-	-
116	-	+	0	-	-
117	+	+	0	-	-
118	0	0	-	-	-
119	-	0	-	-	-
120	+	0	-	-	-
121	0	-	-	-	-
122	-	-	-	-	-
123	+	-	-	-	-
124	0	+	-	-	-
125	-	+	-	-	-
126	+	+	-	-	-
127	0	0	+	-	-
128	-	0	+	-	-
129	+	0	+	-	-
130	0	-	+	-	-
131	-	-	+	-	-
132	+	-	+	-	-
133	0	+	+	-	-
134	-	+	+	-	-
135	+	+	+	-	-
136	0	0	0	+	-
137	-	0	0	+	-
138	+	0	0	+	-
139	0	-	0	+	-
140	-	-	0	+	-
141	+	-	0	+	-
142	0	+	0	+	-
143	-	+	0	+	-
144	+	+	0	+	-
145	0	0	-	+	-
146	-	0	-	+	-
147	+	0	-	+	-
148	0	-	-	+	-
149	-	-	-	+	-
150	+	-	-	+	-
151	0	+	-	+	-
152	-	+	-	+	-
153	+	+	-	+	-
154	0	0	+	+	-
155	-	0	+	+	-
156	+	0	+	+	-
157	0	-	+	+	-
158	-	-	+	+	-
159	+	-	+	+	-
160	0	+	+	+	-

Call Point	DIP-Switch Settings				
	1	2	3	4	5
161	-	+	+	+	-
162	+	+	+	+	-
163	0	0	0	0	+
164	-	0	0	0	+
165	+	0	0	0	+
166	0	-	0	0	+
167	-	-	0	0	+
168	+	-	0	0	+
169	0	+	0	0	+
170	-	+	0	0	+
171	+	+	0	0	+
172	0	0	-	0	+
173	-	0	-	0	+
174	+	0	-	0	+
175	0	-	-	0	+
176	-	-	-	0	+
177	+	-	-	0	+
178	0	+	-	0	+
179	-	+	-	0	+
180	+	+	-	0	+
181	0	0	+	0	+
182	-	0	+	0	+
183	+	0	+	0	+
184	0	-	+	0	+
185	-	-	+	0	+
186	+	-	+	0	+
187	0	+	+	0	+
188	-	+	+	0	+
189	+	+	+	0	+
190	0	0	0	-	+
191	-	0	0	-	+
192	+	0	0	-	+
193	0	-	0	-	+
194	-	-	0	-	+
195	+	-	0	-	+
196	0	+	0	-	+
197	-	+	0	-	+
198	+	+	0	-	+
199	0	0	-	-	+
200	-	0	-	-	+
201	+	0	-	-	+
202	0	-	-	-	+
203	-	-	-	-	+
204	+	-	-	-	+
205	0	+	-	-	+
206	-	+	-	-	+
207	+	+	-	-	+
208	0	0	+	-	+
209	-	0	+	-	+
210	+	0	+	-	+
211	0	-	+	-	+
212	-	-	+	-	+
213	+	-	+	-	+
214	0	+	+	-	+
215	-	+	+	-	+
216	+	+	+	-	+
217	0	0	0	+	+
218	-	0	0	+	+
219	+	0	0	+	+
220	0	-	0	+	+
221	-	-	0	+	+
222	+	-	0	+	+
223	0	+	0	+	+
224	-	+	0	+	+
225	+	+	0	+	+
226	0	0	-	+	+
227	-	0	-	+	+
228	+	0	-	+	+
229	0	-	-	+	+
230	-	-	-	+	+
231	+	-	-	+	+
232	0	+	-	+	+
233	-	+	-	+	+
234	+	+	-	+	+
235	0	0	+	+	+
236	-	0	+	+	+
237	+	0	+	+	+
238	0	-	+	+	+
239	-	-	+	+	+
240	+	-	+	+	+

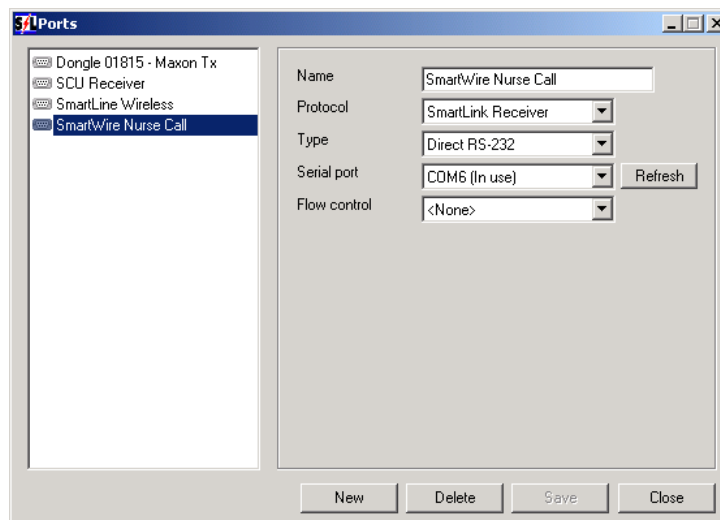
9. SMARTWATCH XP MONITORING SOFTWARE SETUP

Setting up the Port

1. Ensure you are logged on as **Maintenance User** (see SmartWatch XP Help for details).
2. Select **Ports** from the **Interfaces** Menu.

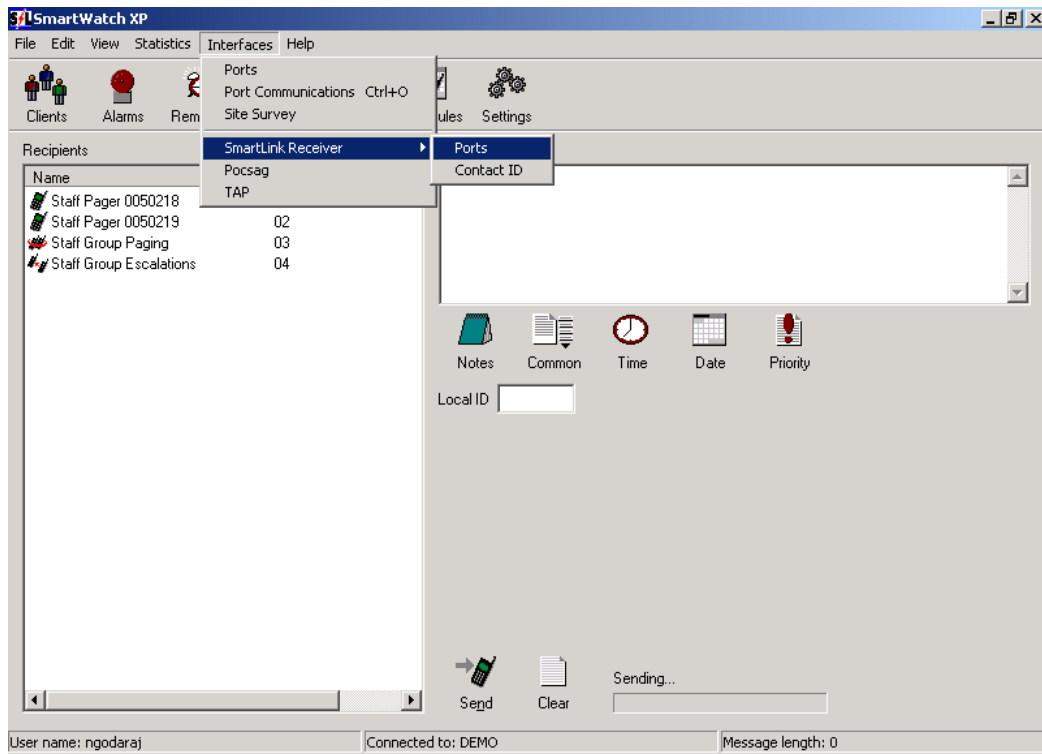


3. Click **New** and type **SmartWire Nurse Call** as the **Name**.

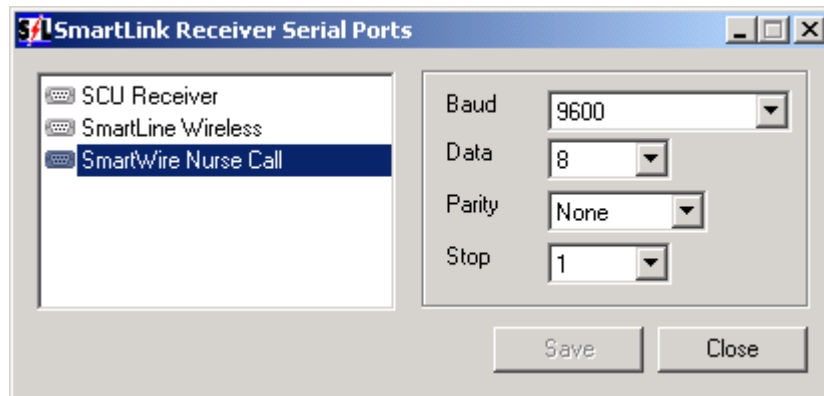


4. Select **SmartLink Receiver** as the **Protocol**.
5. Select **Direct RS-232** as the **Type**.
6. Select an available **COM** for the **Serial Port** and ensuring your Master Unit is connected to that port.
7. Select **<None>** as the **Flow control**.
8. Click **Save**, then **Refresh** and **Close** when completed.

- Now select **SmartLink Receiver** and then **Ports** from the **Interfaces** Menu.



- Click/Highlight **SmartWire Nurse Call**.



- Select **9600** as the **Baud** rate, **Data=8**, **Parity=None** & **Stop=1**.
- Click **Save** and then **Close** when completed.

System Client Code (Client Code 9917)

Low supply voltage conditions are reported to the SmartLink Monitoring software on **Client Code 9917**. To save confusion it is recommended that the system administrator enters a new Client with code **9917** named **SmartWire Master Interface**.

All additional clients entered on SmartLine must be replicated on the monitoring software. Note that slot information is **NOT** sent to the monitoring software and is for device programming purposes only.

Setting up SmartLink Clients

SmartLink Clients in SmartWatch XP are records describing customer or sites for whom SmartLink devices such as Medi-Call Diallers Units, SmartWire Nurse Call and SmartLine Wireless Call Points etc. are installed and registered with SmartWatch XP. The alarm information will come in through the ports configured as SmartLink Receivers.

Simply click **Clients** (or **SmartLink Clients** under the **Edit** Menu).

The screenshot shows the 'SmartLink Clients - Edit' window. On the left is a list of clients with columns for Name and Code, showing 'Mrs Smith' with code '7001'. The main area is a form with the following fields: Name (Mrs Smith), Code (7001), Phone (95960770), Address (475 Nepean Highway, Brighton VIC 3186), Recipient (Staff Group Escalations), Maintenance (Staff Group Escalations), Expect Check-in every (days), Notes, Zones (1-8), and Contacts (Name, Association, Phone 1, Phone 2). Buttons for Add, Edit, Remove, New, Delete, Save, and Close are visible.

IMPORTANT: The Name and Code fields are the minimum required to add a SmartLink Client. Each Client must have a unique Code between 0001 to 9999. Some Codes are fixed in to various other SmartLink Products and Systems. For SmartWire Nurse Call System, simply start at 7001 or consult your hardware manuals for further details.

1. To add a new SmartLink Client, simply click **New**.
2. Enter a **Name** to appear on the main Clients list and on the client alarms screen.
3. Enter a Client **Code** starting at **7001** as the unique four digit identifier for each selected client.
4. Enter the **Phone** number for the location if applicable. Leave this field blank for systems that do not require telephone number.
5. Enter the **Address** for the location if applicable. Leave this field blank for systems that do not require an Address.
6. Select the **Recipient** to which messages regarding Call/Emergency activations and Cancels will be sent if applicable.
7. Select the **Maintenance** to which system and maintenance messages eg. Low Battery, Mains Fail, etc (see SmartLink Call Types) are sent.
8. Check the **Expect Check-In** box and enter a period in days if the client equipment is required to call in within the specified period (primarily for Medi-Call Dialler units only).
9. Use **Notes** to annotate pertinent facts regarding this Client.
10. Enter a description for each of the **Zone** Fields. Zone (or Channel) names should match the actual SmartLink Devices. For example, Medi-Call Diallers and SmartLine Wireless Systems can handle up to 8 separate wireless devices which can be programmed to report on each of the available zones. **NOTE: The Medi-Call Unit's Red (Help) Button default reporting to Zone (Channel) 6. Refer to the Medi-Call Installation Manual as to how this can be changed for particular applications.**
11. Click **Save** and then **Close** when completed.

10. SMARTLINK-4 (DOS) MONITORING SOFTWARE

Maintenance Access Level

Ensure you have **Maintenance Access** Level:

1. Press the F5 Key to bring up the “**level of user level operation**”.
2. Select **Maintenance Access** followed by the Enter Key.
3. Type **POWER** as the **Password** followed by the Enter Key.

Setting up Port Configuration

1. Go to the **Maintenance** menu and select **System Configuration** followed by the Enter Key.
2. Select **System Configuration** followed by the Enter Key.
3. Select the available **Com2/Port 1 – 4** followed by the Enter Key Twice.
4. Select **SMARTLINK** as the **Configuration** followed by the Enter Key.
5. Type **SMARTWIRE** as the **Name** followed by the Enter Key.
6. Select **9600** as the **Baud Rate** followed by the Enter Key.
7. Press the F10 Key to SAVE and followed by the Esc Key Twice to Exit to the Main Screen.

Setting up Ademco Alarm Types

1. Go to the **Maintenance** menu and select **Interfaces** followed by the Enter Key.
2. Select the appropriate **Port “SMARTWIRE – SMARTLINK”** followed by the Enter Key.
3. Select **Setup Ademco** followed by the Enter key to bring up “**Configure Ademco Alarm Types**”
4. Enter the “**Configure Ademco Alarm Types**” as follows:

SMARTWIRE – SMARTLINK			
CONFIGURE ADEMCO ALARM TYPES			
	ALARM NAMES		SYSTEM NAMES
1. [ALARM]	[CALL]	1. [DURESS]	[EMERGENCY ..]
2. [OPENING]	[OFF]	2. [OPENING]	[OPENING]
3. [RESTORE]	[Cancelled]	3. [BYPASS]	[BYPASS.....]
4. [CLOSING]	[ON]	4. [CLOSING]	[CLOSING]
5. [OKAY]	[OKAY.....]	5. [TROUBLE]	[TROUBLE.....]
6. [PRIOR RP]	[PRIOR RPT.]	6. [SYSTEM]	[SYSTEM.....]
7. [TAMPER]	[TAMPER....]	7. [ALARM]	[CALL]
8. [ALM Lo-B]	[ALM Lo-Bat]	8. [LOW BATT]	[LOW BATTERY.]

NOTE: All Alarm Name and System Name entries are case sensitive and should contain at least one preceding space within the brackets (where possible) to ensure that alarm data messages sent to Pagers, Remote Display Wireless Decoder and/or DECT phones are in a readable format.

5. Press the F10 Key to SAVE and followed by the Esc Key Twice to Exit to the Main Screen.

Adding a Client for a Call Point(s)

1. Ensure you have **Maintenance Access** Level.
2. Go to the **Maintenance** menu and select **Interfaces** followed by the Enter Key.
3. Select the appropriate **Port “SMARTWIRE – SMARTLINK”** followed by the Enter Key.
4. Select **Add New Client** followed by the Enter Key to bring up the “**View Client Details**” Screen.
5. Enter the “**View Client Details**” as follows:

VIEW CLIENT DETAILS		
CLIENT:	[[MRS BROWN - RM 01 BED 01]	CODE: [7001] STATUS: [ABSENT]
		SELF TEST: [7.] CHECKED IN: NO
ADDRESS:	[RM 01 BD 01.....]	PHONE: [7001.....]
	[.....]	EVENT: []
	[.....]	ROSTER: [.....]
	CONTACT	PHONE
	RELATIONSHIP	
1.	[.....]	[.....]
2.	[.....]	[.....]
3.	[.....]	[.....]
4.	[.....]	[.....]
ALARMS		
1.	[#1.....]	5. [#5.....]
2.	[#2.....]	6. [#6 Wet Area.....]
3.	[#3.....]	7. [#7 Staff Assist.]
4.	[#4.....]	8. [#8 Nurse Present]

6. The essential fields are:
 - **CLIENT** – name of client
 - **CODE** – 4 digit Client Code
 - **ADDRESS** – enter the client address if applicable
 - **PHONE** – enter the client phone number if applicable
 - **ROSTER** – select the relevant Roster
 - **ALARMS** – alarms 6, 7 and 8 should exactly reflect the entries above.
7. Press the F10 Key to **SAVE** and followed by the Enter Key.
8. Repeat steps 3 through 6 to add additional clients to the SmartWire Nurse Call system or press the Esc Key Twice to Exit to the Main Screen.
9. Smartlink-4 Monitoring Software is now ready to receive calls and alarms from the SmartWire Nurse Call system.



© Copyright SmartLink International Pty Ltd
July 2008

Level 1, 304-308 New Street
Brighton VIC 3186 AUSTRALIA
Tel: +61 3 9596 0770 Fax: +61 3 9596 8195
Email: smartlink@smartlink.com.au
Web Site: www.smartlink.com.au

To the best of our knowledge, the information contained in this manual is correct at the time of print. SmartLink International Pty Ltd reserve the right to make changes to the features and specifications at any time without prior notice in the course of product development.